

FILE NOTATIONS

Entered in NID File

✓

Entered On S R Sheet

Location Map Pinned

Card Indexed

✓

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

Location Inspected

OW

WW

TA

Bond released

GW

OS

PA

State of Fee Land

LOGS FILED

Drill Log

Electric Logs (No.)

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

American Quasar Petroleum Co. of New Mexico

3. ADDRESS OF OPERATOR

204 Superior Building, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1056' FSL, 2982' FWL, Sec. 16 T15S, R1E

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 6 miles SE of Levan, Utah (Via road)

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1056'

(lse. line)

18. NO. OF ACRES IN LEASE

960

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NONE

19. PROPOSED DEPTH

16,500'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

N/A

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6463' GR (Surveyed)

22. APPROX. DATE WORK WILL START*

Prior to July 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	98 lbs.	60'	To surface
17"	13 3/8"	54.5 lbs.	2000'	To surface
12 1/4"	9 5/8"	40 lbs., 43.5 lbs.	10,000'	800 SX
8 1/2"	7"	29 lbs., 32 lbs., 35 lbs.	16,500'	1,000 SX

We plan to test all zones through the Desert Formation which exhibit evidence of hydrocarbons and porosity. If well is productive, a 7" production string will be run and cemented and the well completed through preforations. (See accompanying 10 PT. plan for additional information.)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

John F. Works

TITLE

Division Engineer

DATE 5-5-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

FOR

E. W. GUYNN
DISTRICT ENGINEER

DATE

11/3/80

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY
See Instructions On Reverse SideFLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

NOTICE OF APPROVAL

At State O&G

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseeding would normally occur within one year, revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation.

5. Related actions of other federal or state agencies and Indian tribes:

None known.

6. Nearby pending actions which may affect or be affected by the proposed action:

None known.

7. Status of Variance Requests:

None known.

The following elements of the proposed action would/could result in environmental impacts:

1. A drill pad 200' wide x 300' long including a 2000 bbl. (84,000 gal) reserve pit would be constructed. A remote disposal pit would be constructed in NW/4 Section 18, T15S, R1E, immediately south of the access road on lands owned by the State of Utah and administered by the Division of Wildlife Resources. The exact location of the pit has yet to be determined, however, negotiations are nearly completed (pers. comm., Division of Wildlife Resources). Gravel for road and pad would also be purchased from the State.

No access road would be constructed as the existing Deep Canyon Road runs through the location. The existing road needs some improvement. An agreement with Juab County for use of 0.9 mile of county road through Section 18, T15S, R1E is enclosed. The remaining 2.3 miles of existing road traverses USFS administered lands and will require upgrading and some reconstruction as outlined in the USFS EAR.

Approximately 3-4 acres of disturbed surface would be associated with the project.

2. Drilling - Procedures outlined in APD.
3. Completion - Procedures and facilities outlined in APD.
4. Stimulation - None planned, however, facilities are outlined in APD and would use existing disturbed areas.
5. Waste disposal - All trash and garbage would be stored in containers and removed from the location to an appropriate sanitary disposal site. A portable chemical toilet would be used for human sewage. Drill cuttings and fluids would be disposed of in the remote disposal pit (See APD). Limited quantities of produced water, cuttings, and possibly oil would be retained in the small reserve pit on location for transportation and disposal in the main pit.

6. Traffic - Traffic along the Deep Canyon Road could be heavy at times and consist of two rig trips, service and employee vehicles, water trucks and pit disposal vehicles.
7. Water requirements - Water for drilling would be purchased from private wells in the area.
8. Production - Production facilities would be confined to the pre-existing well pad as outlined in the APD.
9. Transportation of hydrocarbons - If oil is discovered, it may be trucked out or transported by pipeline. If gas is encountered a new pipeline would have to be constructed. In either case, additional planning would be required prior to approval.

Details of the proposed action are described in the Application for Permit to Drill.

Environmental Considerations of the Proposed Action.

Regional Setting/Topography: See attached APD and USFS EAR.

PARAMETER

A. Geology

1. Other Local Mineral Resources to be Protected: None.

Information Source: Mineral Evaluation Report, Mining Report.

2. Hazards:

a. Land Stability: No land instability expected. Slumping of cut slopes is possible, but considering the amount of bedrock to be excavated, slumping is not considered a problem. Proper construction practices could also reduce any mass wasting hazards encountered during pad excavation. Heavy runoff during spring could cause stability problems over portions of the access road.

Information Source: Field Observation, Mineral Evaluation Report.

b. Subsidence: No subsidence is expected, although the withdrawal of fluids could cause subsidence.

Information Source: "Environmental Geology" - Keller.

c. Seismicity: The test site is within an area of major seismic risk. The operating plan does not account for this hazard.

Information Source: "Geologic Atlas of the Rocky Mountain Region" - Rocky Mountain Association of Geologists.

d. High Pressure Zones/Blowout Prevention: Pressures requiring a mud weight of 9.5 ppg may be encountered in the Upper Park City Formation. Bag barite would be kept on location in case weighing is necessary.

Information Source: APD.

B. Soils:

1. Soil Character: See attached APD and USFS EAR.

Information Source: APD, USFS - EAR.

2. Erosion/Sedimentation: See attached USFS EAR.

Information Source: USFS EAR.

C. Air Quality: The test site is within a Class II Attainment Area. Air quality would decrease temporarily from vehicle and equipment emissions and fugitive dust, decreasing significantly during possible production maintenance and returning to pre-drilling levels upon abandonment.

Information Source: Utah State Health Department, Field Observation.

D. Noise Levels: Noise levels would increase temporarily from equipment and vehicle operations affecting wildlife in a distributional sense.

Information Source: Field Observation.

E. Water Resources

1. Hydrologic Character

- a. Surface Waters: See USFS EAR.

Information Source: USFS EAR.

- b. Ground Waters: No fresh water is expected. Commingling of any aquifers present is possible. Salts may be present to 5600 feet and could cause lost circulation.

Information Source: Mineral Evaluation Report, Field Observation.

2. Water Quality

- a. Surface Waters: See USFS EAR. Lining of the reserve pit and remote disposal pit would provide protection against potential spills.

Information Source: USFS EAR.

- b. Ground Waters: Contamination of any ground waters present with drilling fluids is possible. 2000 feet of proposed ~~surface~~ ^{surface} casing would protect shallow aquifers.

Information Source: APD, Field Observation.

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the formal comments received from USFS on July 2, 1980, we determine that there would be no effect on endangered and threatened species and their critical habitat.

2. Flora: See USFS EAR and APD.

Information Source: USFS EAR.

3. Fauna: See USFS EAR and APD. Wildlife could be affected in a distributional sense. Fencing the reserve pit and remote disposal pit would prevent wildlife access to the contaminated fluids.

Information Source: USFS EAR.

G. Land Uses

1. General: See USFS EAR.

Information Source: USFS EAR.

2. Affected Floodplains and/or Wetlands: The location would be constructed adjacent to Deep Creek a non-perennial stream. No other alternate location or road could be located on this lease to avoid the creek.

Information Source: Field Observation.

3. Roadless/Wilderness Area. N/A.

Information Source: USFS EAR.

H. Aesthetics: See USFS EAR for discussion of aesthetics in relation to lease stipulations. Due to the massive near vertical rock cuts into the canyon wall necessary for pad leveling, a permanent visual scar would remain in the canyon.

Information Source: USFS EAR.

I. Socioeconomics: Drilling of one well would have little effect on local populations and economics. If a major discovery would be found, local and possibly regional economics would be enhanced. Local population could also increase. Most services and employees for this test would be from outside the local area.

Information Source: Field Observation.

J. Cultural Resources Determination: Based on the informal comments received from USFS on July 8, 1980, we determine that there would be no effect on cultural resources as outlined in the archaeological report on file with the District Ranger, USFS, Ephriam, Utah.

Information Source: USFS (pers. comm.)

K. Other. Hydrogen sulfide (H_2S) may be present in the Park City Formation but probably dissolved in water. Mud scavengers would be on location to protect against any H_2S gas. A H_2S Contingency Plan has been submitted and revisions including pad and rig set up in relation to escape routes, briefing areas, safety trailer, windsocks, wind direction and access roads have been requested from the operator. An abandoned mine road (See photographs) running to the northwest up the north slope of the canyon was investigated at the onsite as an escape route and provides a logical path in relation to topography, however, it is the operators responsibility to suggest an escape route. Implementation of an updated Contingency Plan prior to entering the Park City Formation should provide protection from potential H_2S hazards.

Information Source: Mineral Evaluation Report, APD, Field Observation.

L. Adequacy of Restoration Plans: The restoration plans meet the minimum requirements of NTL-6 and are typical for the hydrocarbon industry. The steep canyon wall and massive bedrock cuts necessary for pad leveling would prevent restoration to original contours and a permanent visual scar would remain. Additional restoration recommendations have been provided by the USFS.

Information Source: USFS EAR, APD, Field Observation.

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.
2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated. Three viable pad alignment alternatives and two road improvement alternatives were investigated in the field and the USFS EAR.

A. Pad Construction Alternatives:

1. Build pad south of access road: This location would minimize sediment to Deep Creek. Hillside cuts would be excessive (180 feet in height) and construction would maximize surface disturbances. This site would be the most difficult to reclaim and would maximize visual disturbances.
2. Build pad over Deep Creek: This site would reduce proposed cut (90 feet), but would provide maximum fills which would fill over the creek. Visual impacts would be minimized and the site would be easiest to reclaim. However, since the creek would be channeled under the pad, the greatest opportunity for pollutants and sediments to the creek would be present. Restoration of the stream channel would be necessary after drilling.

Introduction:

The following Environmental Assessment incorporates the enclosed U.S. Forest Service Environmental Assessment Report (EAR) by reference and addresses particular impacts not mentioned in the EAR.

The USFS, EAR investigates two drill site alternatives, however, site Number 1 was determined unacceptable which left only site Number 2 (the proposed drillsite of the APD) for evaluation.

Three possible drill pad alternatives exist at the viable site. Two pad alternatives are outlined in the enclosed APD. The third possibility is essentially a compromise between the two presented site choices and was investigated at the onsite inspection. The enclosed EAR contains survey plats of all three alternatives as provided to the USFS by the operator.

Additionally, the EAR evaluates two viable road improvement alternatives, remove excessive pitches to allow access, and remove all pitches providing a maximum sustained grade of 8%.

DISCRIPTION OF PROPOSED ACTION

Proposed Action:

1. Location State: Utah
 County: Juab
 1056' FSL, 2982' FWL, SW 1/4 SE 1/4
 Section 16, T 15S R 1E, S L M.
2. Surface Ownership Location: Public.
 Access Road: Public.

Status of
Reclamation Agreements: See Appendix.

The operator has obtained permission to use the existing county road in Section 28, T15S, T1E.

3. Dates APD Filed: May 19, 1980 .
 APD Technically Complete: May 21, 1980.
 APD Administratively Complete: _____.
4. Project Time Frame
 Starting Date: Upon approval .
 Duration of Drilling activities: 280 days.

Oil and Gas Drilling

EA #443-80

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Usual Environmental Analysis

Date: July 9, 1980

Operator: American Quasar Petroleum Co. Well Name and No. Chicken Creek Fed. #16-34

Location: 1056' FSL & 2982' FWL Sec.: 16 T.: 15S R.: 1E

County: Juab State: Utah Field/Unit: Wildcat

Lease No.: U-11146 Permit No.: N/A

Joint Field Inspection Date: May 27, 1980

Prepared By George Diwachak

Field Inspection Participants, Titles and Organizations:

George Diwachak	Environmental Scientist	USGS - Salt Lake City
Paul Schneider	Petroleum Engineer	USGS - Salt Lake City
Brent Erskine	Forester	USFS
Fred Thompson	Geologist	USFS
Ben Black	District Ranger	USFS
Bryan Grover	Ranger Conservationist	USFS
Brent B. Barney	Construction Engineer	USFS
Lynn Bennett	Civil Engineer	USFS
John Sindelar	Drilling Superintendent	American Quasar
John Works	Drilling Engineer	American Quasar
Doyle Scoggs	Engineering Geologist	Khyker Corporation
John Sulenta	President	Sulenta Const. Co. Inc.
Jiggs Bollinger	Superintendent	Sulenta Const. Co. Inc.

Related Environmental Analyses and References:

- (1) Environmental Assessment Report, American Quasar Petroleum Company, Exploratory Well #16-34, USDA, Forest Service, Price, Utah.

1j 7/10/80

Noted - G. Diwachak

AQ

#16-34

16-155-1E

U-11146

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

Manti-LaSal National Forest
350 East Main Street
Price, Utah 84501

2820

June 19, 1980



Mr. Edgar W. Gynn
Oil and Gas Operations
U.S. Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Dear Ed:

We have been working with the American Quasar people to solve problems associated with the proposed access road and drill site for the Chicken Creek Federal Well 16-34.

It appears that the problems have been resolved, but additional time is needed to incorporate this information in the environmental assessment report. The company has indicated to us that the lease expires on July 1, 1980. We may be able to complete our work by this date, but we realize that the time necessary for transmittal by mail plus whatever time is needed by your office will probably consume the few days remaining. This will not allow sufficient time for the company to start spudding operations.

We would concur in a request from the company for an extension of time to allow the completion of the EA. We apologize for the necessity of such an action, but the short response time in this extremely rugged drainage and the lateness of the season prevented the information from being collected and evaluated earlier.

Sincerely,

W. B. Bailey

for
REED C. CHRISTENSEN
Forest Supervisor

*Lease Expires
7/31/80*

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

June 24, 1980

American Quasar Petroleum Co. of New Mexico
204 Superior Building
Casper, Wyoming 82601

Re: Application for Permit to Drill (APD)
Chicken Creek-Federal #16-34
Sec. 16, T.15S, R.1E, SLM
Juab County, Utah
Lease U-11146

Gentlemen:

On May 19, 1980 this office received the referenced application.

According to our records, oil and gas lease Utah 11146 has an expiration date of July 31, 1980.

On June 23, 1980 this office received a letter from the Forest Supervisor, Manti-LaSal National Forest, Price, Utah wherein he advised that it would probably be after the first of July, 1980 before the Forest Service could submit it's input to the application.

It appears that substantial amounts of dirt work, both on access road and rig drill pad, will be required prior to moving in a drilling rig.

In view of the foregoing it is probable that this office will not be able to approve your application in time for you to inaugurate diligent drilling operations prior to the lease expiration date of July 31, 1980.

Accordingly, it is suggested that you take whatever steps you deem necessary to protect your interests.

Sincerely yours,

(ORIG. SGD.) E. W. GUYNN

E. W. Guynn
District Engineer

bcc: ACM, NCR-Casper
ACM, CR-Denver
Lease File
Well File
W. J. Linton
SOP File

WPM/kr

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

American Quasar Petroleum Co. of New Mexico

3. ADDRESS OF OPERATOR

204 Superior Building, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1056' FSL, 2982' FWL, Sec. 16 T15S, R1E

SWSE

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 6 miles SE of Levan, Utah (Via road)

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1056' (lsc. line)

16. NO. OF ACRES IN LEASE

960

17. NO. OF ACRES ASSIGNED

TO THIS WELL

N/A

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NONE

19. PROPOSED DEPTH

16,500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6463' GR (Surveyed)

22. APPROX. DATE WORK WILL START*

Prior to July 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	98 lbs.	60'	To surface
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We plan to test all zones through the Desert Formation which exhibit evidence of hydrocarbons and porosity. If well is productive, a 7" production string will be run and cemented and the well completed through preforations. (See accompanying 10 PT. plan for additional information.)

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 7-3-80

BY: M. J. MinderRECEIVED
JUN 26 1980

DIVISION OF

OIL, GAS, AND MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED John F. Works TITLE Division Engineer DATE 5-5-80

(This space for Federal or State office use)

PERMIT NO.

43-023-30009

APPROVAL DATE

7/3/80

APPROVED BY

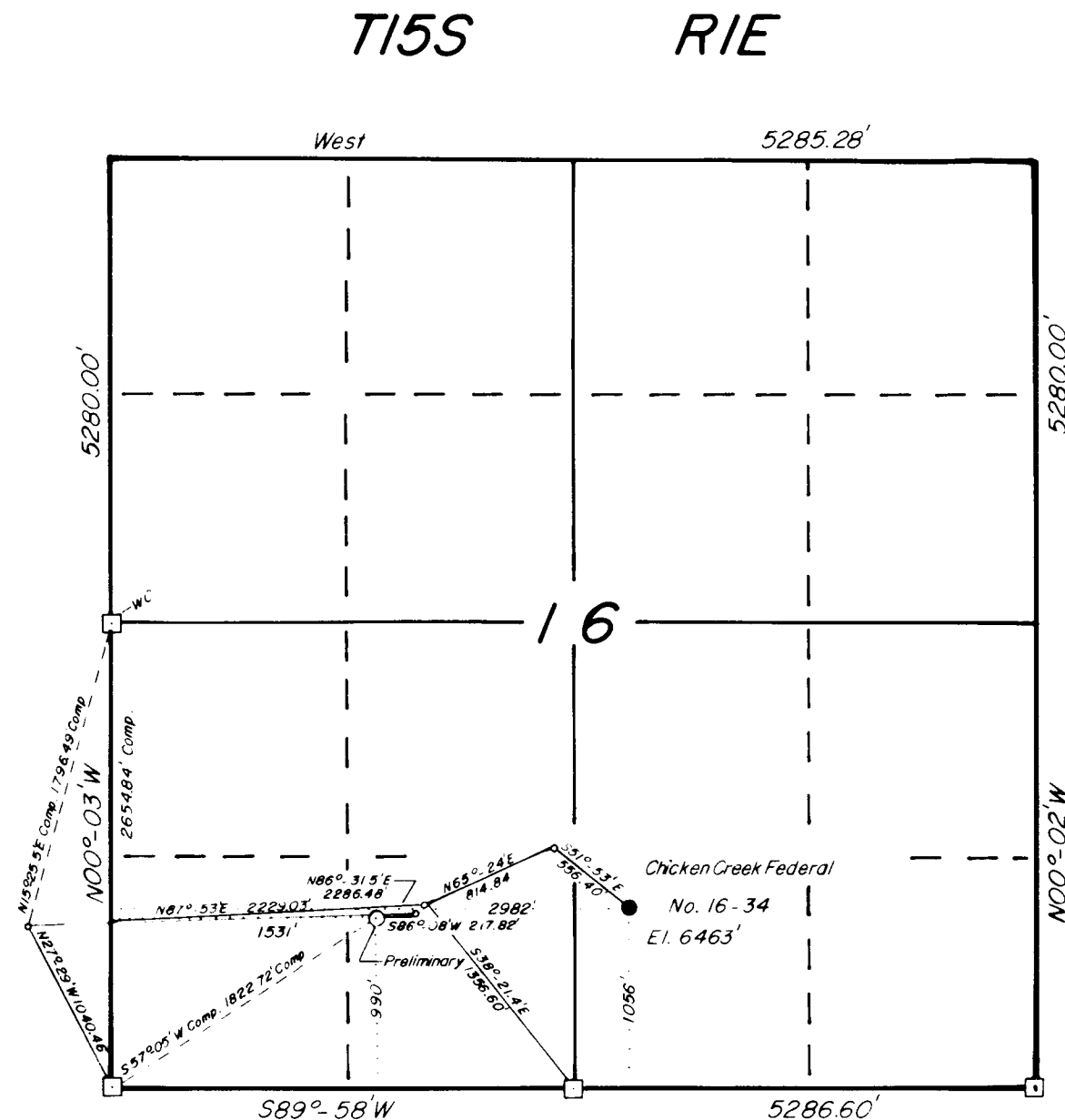
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Figure 2 — Survey Plat of Well Location



□ indicates a Certified Land Corner Recordation Certificate filed.
Elevation is based upon USCGS VABM LEVAN 1884 = 8353' from
the USGS NEPHI UTAH QUADRANGLE MAP.

CERTIFICATE OF SURVEYOR

State of Wyoming)
County of Sublette) ss.

I, Paul N. Scherbel of Big Piney, Wyoming hereby certify that this map was made from notes taken during an actual survey made by me or under my supervision, and that it correctly represents the location described thereon with the section dimensions of record on the official survey plat.

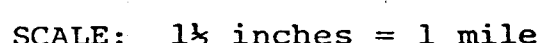
Paul N. Scherbel

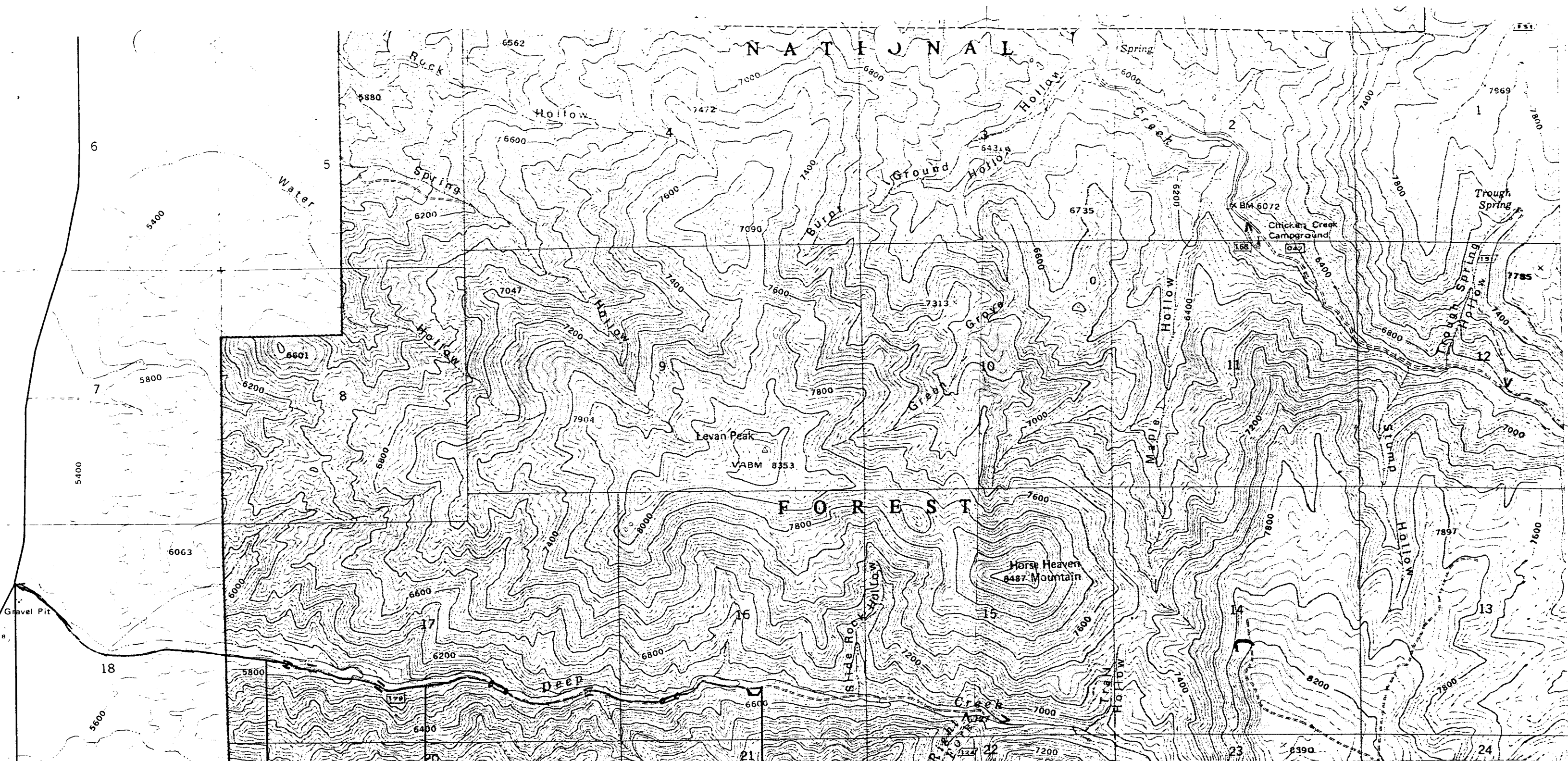
Land Surveyor — Registration No. 1670
Date surveyed — during April and May 1980
Surveyed by — Scott A. Scherbel
Official plat used — Original surveyplat T15S R1E
Relocation — 13 May 1980

**AMERICAN QUASAR
PETROLEUM COMPANY**

**CHICKEN CREEK FEDERAL NQ 16-34
SW1/4SE 1/4 SECTION 16 T15S R1E
JUAB COUNTY, UTAH**

Scale 1" = 1000'

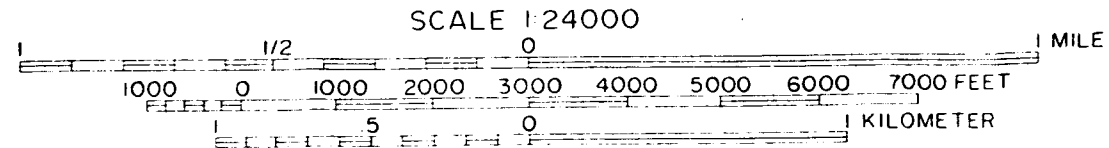




not comply with National Accuracy Standards. As an addition to provide standard coverage this map was in the USGS 15-minute quadrangle Nephi by U.S. Ogden, Utah 1972. Minor revisions from 1972 and 1972 field edit

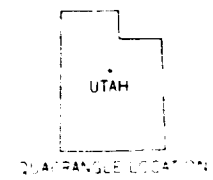
UTM GRID AND 1951 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

ROAD CLASSIFICATION
Heavy Duty. _____ Medium Duty.
Light Duty.. _____ Unimproved Dirt.
Trail.



CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

TOWNSHIP AND SECTION LINE CLASSIFICATION
____ Surveyed, location reliable
----- Surveyed, location approximate
..... Unsurveyed, Bureau of Land Management protraction



NEPHI SE
UINTA NATIONAL FOREST
ADMINISTERED BY MANTI-LASAL
NATIONAL FOREST
SANPETE RANGER DISTRICT
1972
222-4U

- e. During construction and drilling phases of the operation, noise and dust levels would increase.
- f. Distractions from aesthetics during the lifetime of the project would exist.
- g. Erosion from the site would be carried as sediment in the Deep Creek. The potential for pollution to Deep Creek would exist through leaks and spills.
- h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.
- i. Hydrogen sulfide gas could be encountered in the Park City Formation and poses a safety hazard to drilling and support crews and recreationists.
- j. Recreation could be impaired by pad construction over the Deep Creek Road, especially during big game hunting season.
- k. The large rig necessary for drilling this deep test and restricted drill pad area could provide safety hazards during drilling and completion.

2. Conditional Approval:

All adverse impacts described in section one above would occur, except.

- a. Implementation of the Hydrogen Sulfide Contingency Plan would reduce safety hazards.
- b. Implementation of Alternatives 2-A-3 and 2-B-2 would reduce siltation hazards to Deep Creek as well as reducing visual impacts from pad and road construction.
- c. Allowing access through the location during non-hazardous drilling periods would prevent impairment to recreationists.
- d. Lining the remote disposal pit and the location reserve pit would provide for pit integrity and reduce potential spill hazards.
- e. Fencing the remote pit and reserve pit would provide protection for wildlife.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. See attached Lease Stipulations.
2. See attached USFS Stipulations.
3. The U.S. Forest Service, Sanpete Ranger District, Ephraim, Utah shall be contacted 48 hours prior to commencement of construction. The USFS contacts for this operation are Ben Black, District Ranger and Brent Erskine, Forester (801 283-4151).
4. An approved H₂S Contingency Plan shall be implemented when drilling reaches 9,400 feet of depth (1000 feet above the Park City Formation) or 7 days prior to expected entry of the Park City Formation, whichever is the lesser of the two.
5. The USGS, Salt Lake City District (George Diwachak, 801 524-4590) shall be notified within 48 hours if any H₂S gas is encountered.
6. The reserve pit and remote disposal pit shall be lined with an impervious material to insure fluid retention.
7. The reserve pit shall be fenced on three sides during drilling and on the fourth once the rig moves out. The remote disposal pit shall be fenced completely. Fences shall remain until pits are dry and reclamation commences.

Controversial Issues and Conservation Division Response:

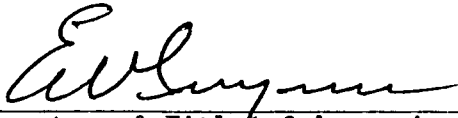
One controversial issue surfaced during the preparation of this assessment; the no surface occupancy lease stipulation (attached). However, the U.S. Forest Service has determined that no special or unique aesthetic features exist in S 1/2 Section 16, and the lease stipulation was waived (See USFS EAR).

Finding of no Significant Impact:

We have considered the proposed American Quasar Petroleum Company No. 16-34 oil test in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that implementation of Location Alternative 2-A-3, construct drill pad south of Deep Creek, and Road Alternative 2-B-1, remove excessive road pitches, will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination:

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102 (2)(C).

 **DISTRICT ENGINEER**

Signature & Title of Approving Official

JUL 11 1980
Date

SELECTED REFERENCES

- Anderson, B.A. and A.H. Holmgren, 1977, Mountain Plants of Northeastern Utah: Cooperative Extension Service, Circular 319, Utah State University, Logan, Utah. 142 p.
- Johnson, C.M., 1970, Common Native Trees of Utah: Agriculture Experiment Station Cooperative Extension Service, Special Report 22, Utah State University, Logan, Utah, 109 p.
- Keller, E.A., 1976, Environmental Geology: C.E. Merrill Publishing Company, Columbus, Ohio. 488 p.
- Rocky Mountain Association of Geologists, 1972, Geologic Atlas of the Rocky Mountain Region: Denver, Colorado. 331 p.
- U.S. Forest Service, 1980. Environmental Assessment Report: Exploratory Well by American Quasar Petroleum Company: USDA, Forest Service, Manti-LaSal National Forest, Price, Utah, unpublished.
- Wilson, LeMoyne, et.al, 1975, Soils of Utah: Agricultural experiment Station, Bulletin 492, Utah State University, Logan, Utah. 94 p.



MOUTH DEEP CANYON ↑E



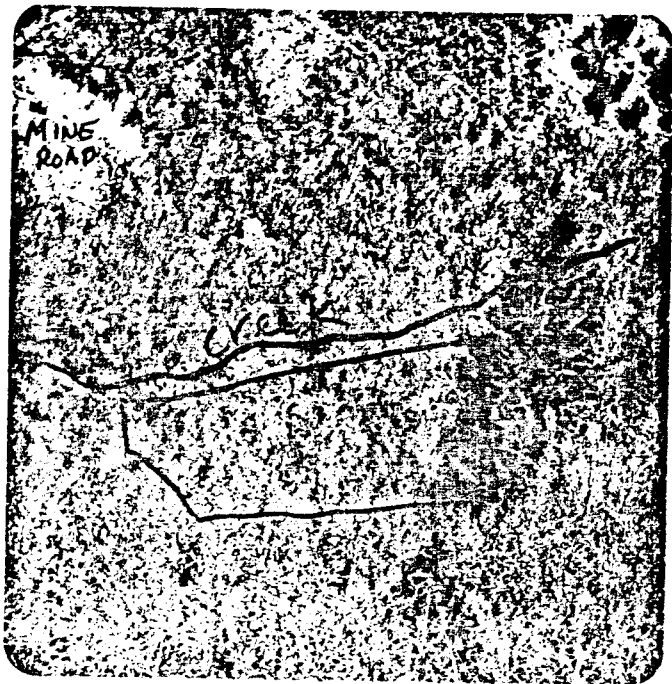
CREEK CROSSING WASHOOT ↑W



NORTH EDGE OF LOCATION (ALTERNATIVE 2-A-3) ↑W



HOLE LOCATION ↑N



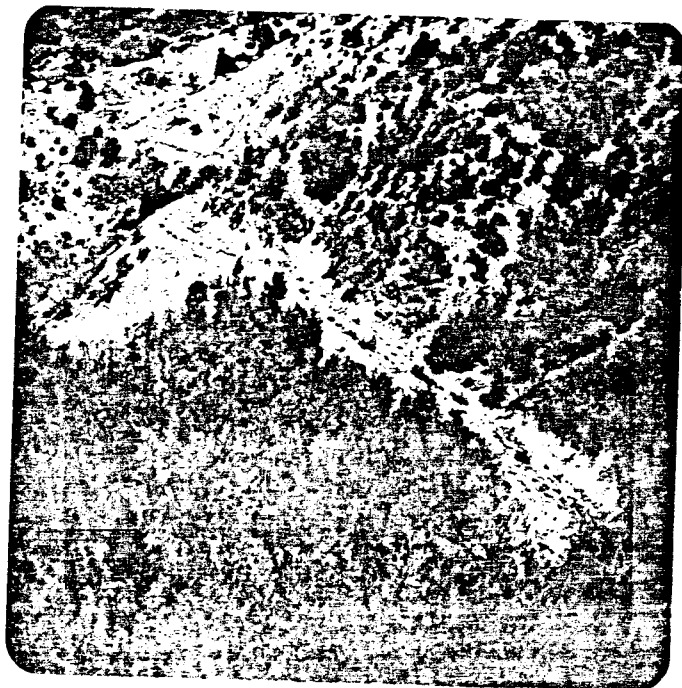
LOCATION

↑N



LOCATION

↑NE



ABANDONED MINE ROAD, N-NW
OF LOCATION

FROM: : DISTRICT GEOLOGIST, , SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-11146OPERATOR: American Br. ascsWELL NO. 16-34LOCATION: N4 1/2 S1 1/2 SE 1/4 sec. 16, T. 15S, R. 1E, SLMGarfield County, 1140h

1. Stratigraphy:
- | | |
|--------------------|----------------------|
| Arapahoe - surface | Oquirrh 12700 |
| Carmel - 5600 | Manning Canyon 15700 |
| Mogget - 6000 | Great Blue 16200 |
| Albion 7200 | Deseret ? |
| Thaynes 8200 | TD 16500 |
| Woodside 9550 | |
| Park City 10400 | |
| Diamond 11700 | |

2. Fresh Water:

none

3. Leasable Minerals: oil & or gas may be present in most formations from Carmel to TD

4. Additional Logs Needed: adequate

5. Potential Geologic Hazards: Salts may be present to about 5600'
- H₂S may be present (probably not as gas phase but dissolved in water)
- in Park City Fm.

6. References and Remarks:

RMAC 1976 - Symposium... Hingeline

Signature: [Signature]Date: 5 - 22 - 80

Memorandum

George

16-15-18

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-11146 *Well No 16-34*

1. The location appears potentially valuable for:

- ☐ strip mining*
- ☐ underground mining**
- ☒ has no known potential.

2. The proposed area is

- ☐ under a Federal lease for _____ under the jurisdiction of this office.
- ☒ not under a Federal lease under the jurisdiction of this office.
- ☐ Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed

Allen J. Vance

Oil and Gas Lease

U-11146

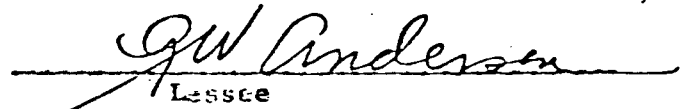
SPECIAL STIPULATIONS

The lessee will not undertake any drilling, construction of roads or pipelines, or any other activity which involves removal of vegetation until a plan of construction and development has been approved by the Forest Service representative. Such approval may be conditioned on reasonable requirements to prevent erosion, water pollution, or damage to surface resources and to provide for restoration of the surface.

To obtain the advance approval of the authorized Forest Service representative prior to operating motor vehicles or motorized equipment other than passenger-carrying vehicles and pickup trucks on National Forest roads either within or outside the lease area; repair such damages and perform such maintenance as is made necessary by the lessee's use, as determined by the authorized Forest Service representative; provided, that performance of the required maintenance shall not relieve the lessee from liability of damage to said roads, including bridges and culverts, due to overloading of trucks, carelessness or negligence on the part of the lessee, his employees, and subcontractors and their employees; and provided further, that use by such vehicles or equipment specified above may be conditioned upon installation by the lessee of drainage acceptable to the authorized Forest Service representative.

Test holes, roads, and any other areas on which the surface has been disturbed will be filled, drained, and reseeded as directed by the Forest Supervisor.

A strip of land 300 feet on each side of Deep Canyon Road where it passes through the S $\frac{1}{2}$ Sec. 16, T. 15 S., R. 1 E., SIM, Utah, and a strip of land 200 feet on each side of Sage Flat Road where it passes through the N $\frac{1}{2}$, N $\frac{1}{2}$ S $\frac{1}{2}$ Sec. 24, T. 15 S., R. 1 E., SIM, Utah, are roadside zones containing important esthetic values for public benefit. No occupancy of the surface of these strips is authorized by this lease.


Lessee

Authorized Representative: Forest Supervisor, Uinta National Forest
P. O. Box 1423, 88 W. 1st St., Provo, Utah 84601

AMERICAN QUASAR PETROLEUM COMPANY OF NEW MEXICO
1700 Broadway, Suite #707
Denver, Colorado 80290

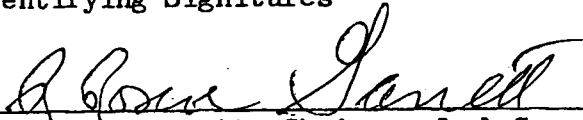
JUAB COUNTY COMMISSIONERS
Nephi, Utah 84648

Re: Use of County Road


AGREEMENT

It is agreed that American Quasar Petroleum Co. may use that certain County Road located in Township 15 South, Range 1 East, Section 18 for the purpose of ingress and egress to a drill site in Deep Creek Canyon as long as said road is maintained and returned to the County in as good or better condition before American Quasars use of said road.

Identifying Signitures

X 

R. Roscoe Garrett, Chairman Juab County Commissioners

X 

Bud Crane, Representing American Quasar Petroleum Co.

**KHYBER
CORPORATION**



897 E. GOORMAN AVENUE
LITTLETON, COLORADO 80121
(303) 795-7826

June 23, 1980

Mr. Mike Mender
Petroleum Engineer
Utah Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Mender,

As per a request on this date from Mr. John Works of American Quasar Petroleum Company, I am forwarding the enclosed NTL-6 report on their proposed Chicken Creek Federal #16-34 exploratory well.

In the event I can be of further service, please do not hesitate to contact me.

Respectfully submitted,

Doyle L. Scroggs

DS;j11
encl.

RECEIVED
JUN 25 1980

DIVISION OF
OIL, GAS & MINING

CHICKEN CREEK UNIT
FEDERAL #16-24
TEN POINT PLAN

Section 16, T15S-R1E
Juab County, Utah

1. Surface Formation - Arapian (Jurassic)
2. Estimated tops of important geological markers:

Jurassic:	Arapian	Surface
	Anhydrite	5000
	Carmel	5600
	Nugget	6000
Triassic:	Ankareh	7200
	Thaynes-Sinbad	8200
	Woodside	9550
Permian-Pennsylvanian:	U. Park City	10400
	Meade Park	11000
	L. Park City	11100
	Diamond Ck.- Weber	11700
	Oquirrh	12700
Mississippian:	Manning Canyon	15700
	Great Blue - Deseret	16200
	TD	16500

3. Porosity is expected to be encountered with the potential for oil, gas, or water from the following zones:

Carmel	
Nugget	Oil
Thaynes-Sinbad	Gas
U. Park City	Oil
Diamond Creek-Weber	Oil
Manning Canyon	Gas
Great Blue - Deseret	Gas

4. Casing Program

Conductor:

20" @ 60' 98# conductor pipe set w/dry hole digger

Surface casing:

<u>Size</u>	<u>Interval</u>	<u>Length</u>	<u>Wt.</u>	<u>Grade</u>	<u>Thread</u>	<u>Condition</u>
13 3/8"	0 - 2000'	2000'	54.5#	K55	STC	New

Intermediate Casing:

<u>Size</u>	<u>Interval</u>	<u>Length</u>	<u>Wt.</u>	<u>Grade</u>	<u>Thread</u>	<u>Condition</u>
9 5/8"	10000-6500'	3500'	43.5#	SS95	LTC	New
9 5/8"	6500-1000'	5500'	40#	SS95	LTC	New
9 5/8"	1000-0'	1000'	43.5#	SS95	LTC	New

Production Casing:

<u>Size</u>	<u>Interval</u>	<u>Length</u>	<u>Wt.</u>	<u>Grade</u>	<u>Thread</u>	<u>Condition</u>
7"	16500-13500'	3000'	32#	SS95	LTC	New
7"	13500-10000'	3500'	32#	L80	LTC	New
7"	10000-6000'	4000'	29#	L80	LTC	New
7"	6000-3500'	2500'	32#	SS95	LTC	New
7"	3500-0'	3500'	35#	SS95	LTC	New

5. The blowout preventer specifications and schematic are attached as a separate exhibit. Yellow Jacket Testers or an equivalent tester will test the blind rams, pipe rams and manifold to their 5000 psi working pressure and the bagtype preventer to 2500 psi prior to drilling out surface pipe and every 30 days thereafter. Pipe rams will be operationally tested daily. Blind rams will be tested when drill pipe is out of hole. ✓
6. The well will be spudded and drilled to 2000' utilizing a fresh water/gel/lime mud system controlling viscosity as necessary for hole cleaning. From 2000'- TD a low solids-dispersed mud system will be utilized. The properties will be controlled as follows:

Water Loss	8-10 cc's
Viscosity	36-45 sec/qt.
Mud Weight	8.8-9.5 ppg

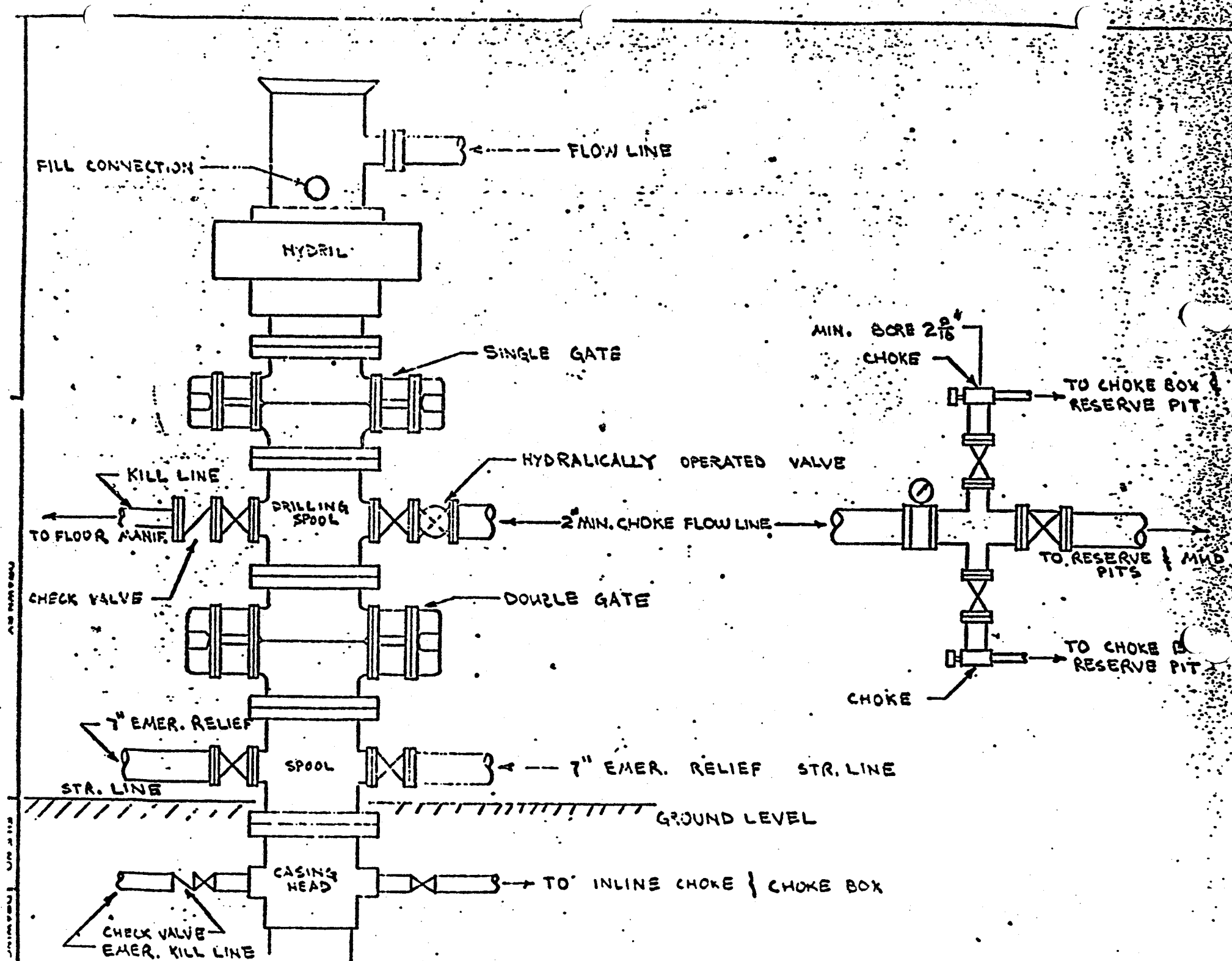
Pressures requiring mud weights of 9.5 ppg may be required in the Upper Park City formation. Bag barite will be kept on location in case weighting is necessary. Below 9000', an H₂S scavenger will be added in proper concentrations to protect against any H₂S gas which may be encountered in the Upper Park City formation. ✓

7. Drill string will have an upper and lower kelly cock and a floor valve will be available to stab in the drill pipe when the kelly is not attached to the string. PVT and flow sensor equipment will be used at all times. A mud logging unit will be used from 2000' to TD. ✓
8. Drill stem tests will be taken of all zones that indicate porosity and hydrocarbons. No coring will be done. The logging program will be as follows:

Dual Induction Laterlog w/Gamma Ray	2000'- TD
BHC Sonic w/Gamma Ray	2000'- TD
FDC-CNL w/Gamma Ray	2000'- TD
Dipmeter	2000'- TD

If well is deemed productive, a 7" production casing string will be set and cemented and the well completed through perforations.

At present, it is not planned to frac or acidize. If such operations are decided upon, a Sundry Notice to supplement this 10 Point Plan will be submitted to the USGS. No fracturing or acidizing will commence without prior approval from the USGS.



9. No extreme temperature or extreme loss of circulation is expected.

Pressures and H₂S gas may be encountered in the Upper Park City formation. See Mud Program (Point #6) for discussion.

10. Drilling operations will commence as soon as possible. It is mandatory to begin prior to July 1, 1980. Present anticipated starting date is June 27, 1980. Drilling operations should last approximately 280 days from spud to rig release.

INTRODUCTION

This report has been prepared in response to a request by American Quasar Petroleum Company of Denver, Colorado, to conduct an environmental study of their proposed Chicken Creek Federal 16-34 exploratory oil and/or gas well. Five proposed drilling sites, and a common access route, have been reviewed in the field, and the most feasible location for drilling chosen. The final choice was based on geological, environmental, and logistical considerations, and it is herein concluded at this time that the chosen site best satisfies these parameters.

Numerous office meetings and field investigations of the proposed drill sites and access route were conducted during the spring of 1980. Various of these meetings were attended by the following:

U. S. Forest Service - Manti Lasal National Forest,
Price, Utah

William H. Boley, Forest Engineer
Fred Thompson, Forest Service Geologist
Brent B. Barney, Construction Engineer
Mark Call, Hydrologist
Steven Robison, Geologist

U. S. Forest Service - Manti Lasal National Forest
(Sanpete District), Ephram, Utah

Bennett Black, District Ranger
Brent Erskine, Forester (Minerals Specialist)

American Quasar Petroleum Company, Denver, Colorado

Jim Dickson, Division Manager
Clare Gregg, Division Geologist
Bob Seidel, Operations Manager
John Works, Division Drilling Engineer
Tim Smith, Geologist
Bob Gerber, Landman
F. W. McWilliams, Division Landman

American Quasar Petroleum Company, Casper, Wyoming

John Sindelar, Division Drilling Superintendent

Khyber Corporation, Denver, Colorado

Doyle L. Scroggs, Engineering Geologist

Purpose and Scope - The purpose of this report is to provide the necessary information required by the U. S. Geological Survey, in accordance with the National Environmental Policy Act of 1969 (83 Stat. 852). This information will aid the U. S. Geological Survey, and U. S. Forest Service in their evaluation of the potential for adverse impact upon the environment as a result of drilling the proposed well.

In scope, the report is restricted to the findings of the field inspections for the chosen well site and access, and providing the information required in a Multi-Point Surface Use and Operations Plan, as outlined in the Department of the Interior, Geological Survey, Conservation Division (Northern and Rocky Mountain Area) NTL-6. An archaeological reconnaissance of the drill site will be conducted by Mr. Donald Forsyth, Archaeologist, Brigham Young University, and submitted to the Forest Service as soon as possible.

Summary and Conclusions - The well site is not the optimum location for testing the structure. However, based on environmental constraints, it has been agreed upon to drill at the chosen location. Based on well control, geologic mapping, and seismic data this site will allow a valid test of the structure, while decreasing impact on the local environment. This is also the most feasible location in terms of financial,

time, and engineering, constraints.

The existing access road, once upgraded, will serve as a satisfactory route for the proposed usage. The necessary improvements will be in accord with the standards and requirements as set forth by the Forest Service.

Location and Accessibility - The proposed drill site is located in southeastern Juab County, Utah. It can be reached via Utah State Highway 28 south from Levan, Utah, 3 miles to Deep Creek Canyon Road; east on Deep Creek Canyon Road approximately 3.3 miles. The drill site is adjacent to, and on the south side of, the access road. Deep Creek Canyon Road is generally a well drained gravel surface road of low to moderate grade and running width averaging from 10 - 16 feet. In its present condition it can be negotiated to the drill site location in a conventional drive vehicle. The only restrictions to this are that it is reasonably dry, and that the discharge in the two ephemeral stream crossings is at a low stage. Throughout much of the year these crossings are dry and present no problem. However, during periods of high runoff discharge is sufficient to preclude access to all but off the road type vehicles.

SURFACE USE AND OPERATIONS PLAN

The following information is in accord with the outline and content requirements of the U. S. Geological Survey NTL-6. Following the report is the required Ten Point Plan for drilling (Appendix I). Location Map 801-101; Application for Permit to Drill, Deepen, or Plug Back (form 9-331C); and a Plan-Profile Diagram of the site are enclosed in the pocket at the end of the report. This information is an integral part of the required information.

Existing Roads - The proposed well site location as surveyed and staked is shown on Location Map 801-101. Figure 1 shows both the local and regional setting of the site. The specific location is: SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16., T.15S., R.1E. (2982 feet F.W.L. and 1056 feet F.S.L.). Figure 2 is an actual survey plat of the location as staked, including 200 feet directional reference stakes set across the pad.

The route and distance from the nearest town which is Levan, Utah, to where the well access road adjoins the highway is shown on the Location Map.

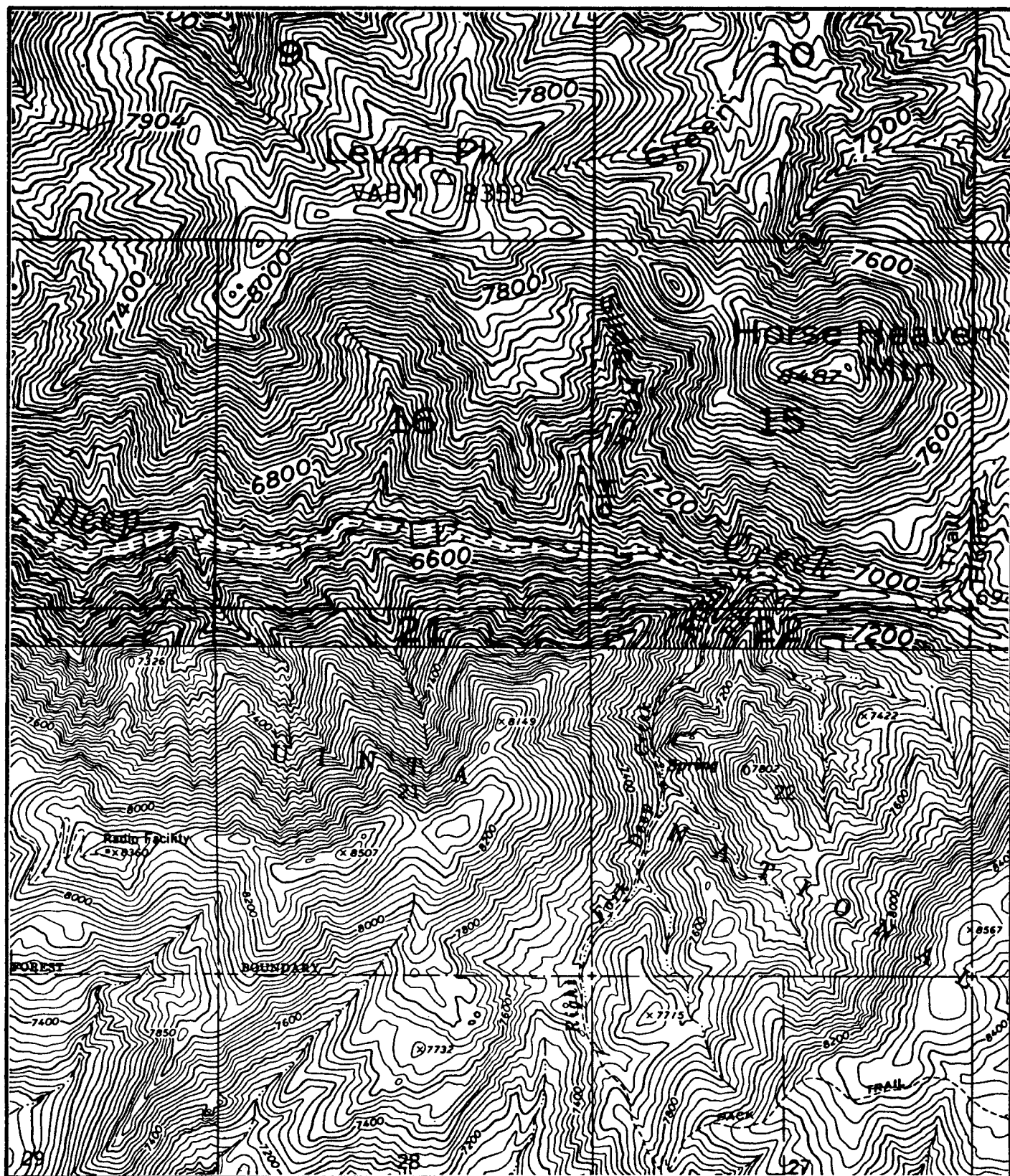
The existing access road will be improved as required by the U. S. Forest Service and demands of the proposed usage, and maintained in as good a condition as it was prior to usage for this project.

Planned Access Roads - Access to the location of the drill site is provided by Deep Creek Road. No additional access road is planned, since the site is contiguous to the road.

Location of Existing Wells - Within a two-mile radius of the well, there are no known water wells, temporarily abandoned, disposal, drilling, producing, shut-in, injection, or monitoring or observation wells for other resources. There is an abandoned oil well location in the NE $\frac{1}{4}$ SW $\frac{1}{4}$, sec. 17, T.15S., R.1E. (1453 feet F.S.L. and 2759 feet F.E.L.). It was drilled in 1961 by California Standard to a depth of 7500 feet.

These conclusions are the result of a review of available literature, maps of the area, well logs and records, and verbal communication with workers within the oil and gas industry.

R.I.E.



T
15
S.



Utah

Scale: 1:24000
Contour Interval: 40 ft.

N

Figure 1. Local and regional setting of the drill site.

Location of Existing and/or Proposed Facilities - Within a one mile radius of the drill site, there are no tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, disposal lines, or other oil and/or gas development or production facilities whatsoever. Figure 3 shows the proposed stimulation and completion facilities and dimensions at the well site. Figure 4 shows the proposed facilities in the event of production.

Stimulation and completion facilities will be located as much as possible on the pre-existing well pad, or as near as safety and spacing requirements allow. Production facilities will be located on the pre-existing well pad. Construction methods will be used so as to assure reliability and safety of the installation. Commercial sources for concrete will be used. If possible, gravel will be obtained from the existing borrow pit shown on the Location Map. In the event this is not feasible, it will be obtained from the nearest available commercial source. Protective measures for wildlife will consist of fencing production facilities, and whatever measures are deemed necessary by the U. S. Forest Service and other regulatory agencies.

In the event of gas production, a new pipeline will have to be constructed. In all probability, this line will be tied into the nearest available line which is approximately 25-30 miles east of the drill site. Planning for such a line will require considerable time and study due to the absence of existing pipeline facilities in the region, rugged terrain, and numerous environmental considerations and constraints.

N
No Scale

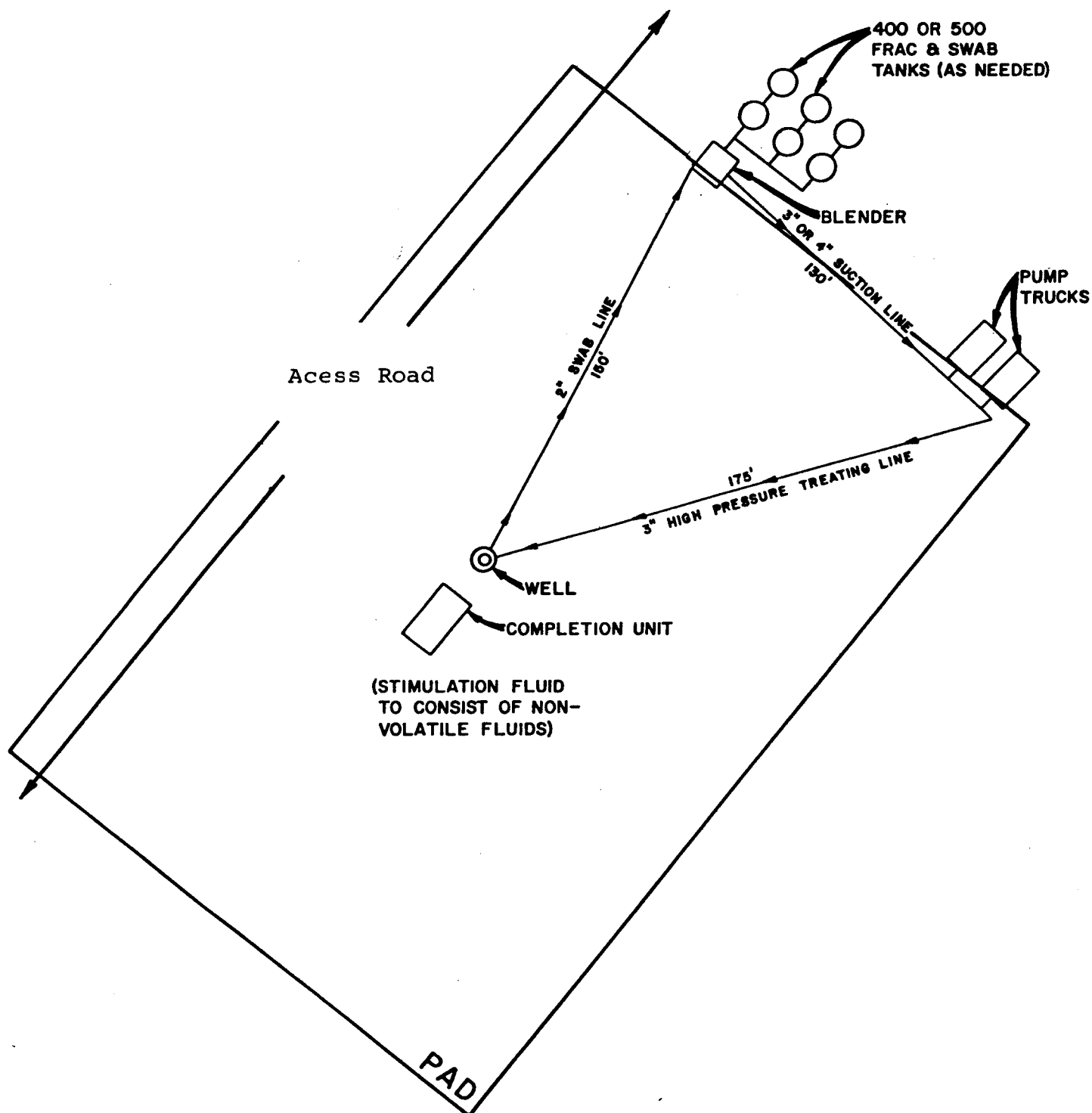
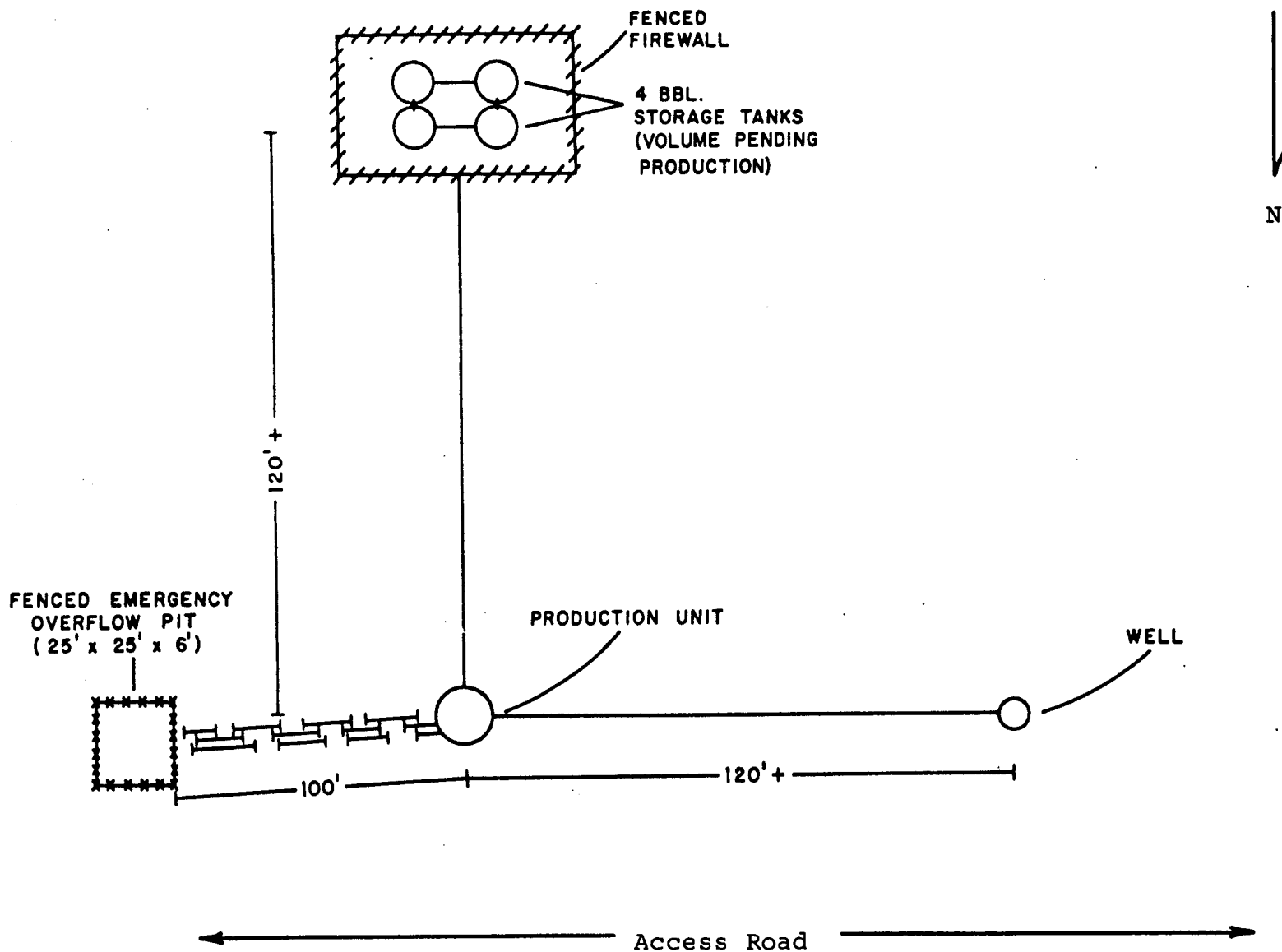


FIGURE 3. Diagrammatic illustration of proposed stimulation and completion layout.



NOTE: All Lines Will Be Buried.

All Facilities Will Be Located On The Drilling Pad.

No Scale

Figure 4. Schematic diagram of the proposed production facilities.

Therefore, a separate Surface Use and Operations Plan will be submitted covering any proposed pipeline facilities (section 4, parts B-C of the NTL-6 outline) in the event of production.

In the event of oil production, it may be trucked out, or transported by pipeline. In either event, extensive additional work will be required in order to properly assess the environmental impact, and develop an acceptable road upgrading or pipeline plan.

Areas no longer needed for operations after construction is completed will be rehabilitated to as nearly feasible the conditions preceeding operations in the area as stipulated by the U. S. Forest Service.

Location and Type of Water Supply - The location of the intended water supply is undetermined at this time. It is proposed to buy water from a private source within the region. Water will be trucked to the drill site from however far is necessary to assure an adequate supply. When a water supply is acquired, a written addendum to this report will be submitted.

Source of Construction Materials - Gravel will be needed for the drill site, and selected sections of the access road. The proposed site is shown on the Location Map. Cement (and any other needed materials which cannot be acquired from the local area) will be obtained from the most economic commercial sources.

Methods for Handling Waste Disposal - Cuttings and drilling fluids will be disposed of in a remote pit, which will be fenced during drilling operations. Upon completion of drilling, the pit will remain fenced and be so maintained until commencement of cleanup and restoration operations. The purpose of a remote location for the pit is to conserve space on the restricted operation area of the pad. This procedure has been used in the past by American Quasar, where operating space on the pad area was limited, and from the standpoint of drilling requirements, has worked very well. A specific location on either public or private ground will be selected and approved of prior to drilling with the big rig. When a pit location has been confirmed, a written addendum to this report will be submitted. Limited quantities of produced water, cuttings, and possibly oil will be retained in a small primary reserve pit on the location for transportation and disposal in the main pit. Ultimately, all produced fluids will be disposed of by evaporation in the main pit and the solid constituent left in the pit, buried and compacted. Surface soils will then be redistributed, contoured, and the area reseeded.

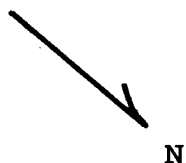
Sewage will be retained in a blind tank, pumped out, and trucked to the nearest available sewage disposal facilities which will accept transported waste. All garbage and waste material will be kept in containers, or in a pit fenced with fine mesh wire to prevent wind scattering, and either buried or disposed of as required by the Forest Service.

Prior to abandoning the site, the area will be thoroughly cleaned up, all equipment removed, and all waste material properly disposed of.

Ancillary Facilities - No camp or airstrip is proposed for this location. Supervisory personnel trailers will be required on the site.

Well Site Layout - Enclosed is a plan view of the proposed well site showing: existing surface terrain; pad layout; and cut/fill profiles and volumes. Figure 5 is a schematic of the proposed rig layout showing the drill rig, pipe racks, rig orientation, mud tanks, primary reserve pit, trash containers, personnel facilities, soil material stockpile, parking area, and access road. The actual layout will vary in detail as necessitated by the specific drilling equipment which is contracted for the project. The pad will be constructed to drain into the small primary pit. Also, The surface will be gravelled.

It should be noted that due to the combined factors of limited space for the drill site, and the need for a large rig (proposed T.D. 16,500 feet), special arrangements may have to be made on the site in order to accomodate the drilling equipment. As surveyed the pad layout is a flexible proposal consisting of a primary area, and an expanded area, which includes temporary utilization of the area occupied by Dude Creek north of the primary pad area (see enclosed Plan-Profile Diagram). If the



(actual rig layout will be adjusted to fit the confines of the restricted space available for the drill pad)

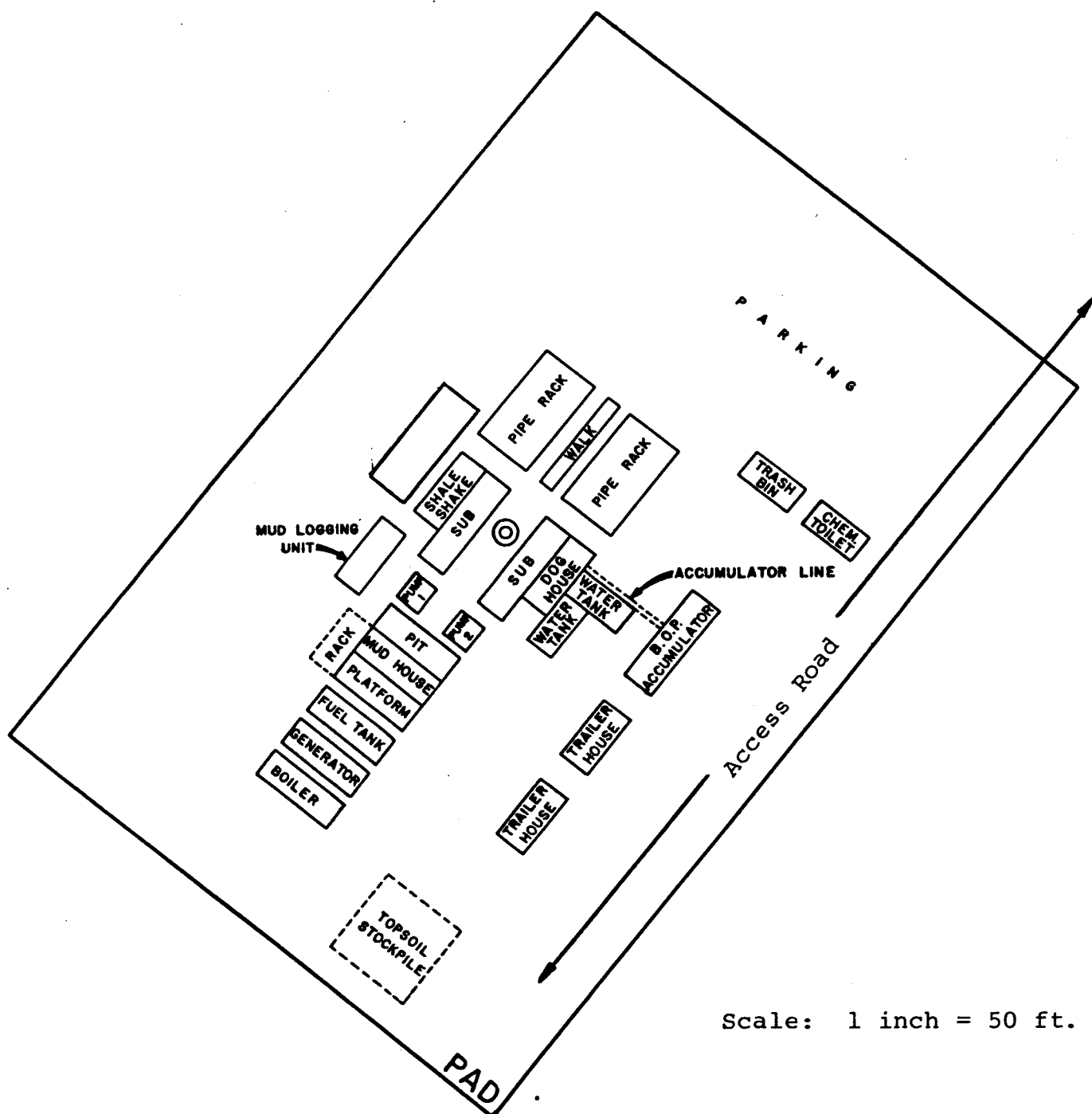


FIGURE 5. Proposed well site layout.

expanded area is approved, culvert will be placed in the creek, back filled with gravel, and removed during drill site restoration. In the event the expanded area is not feasible due to surface management constraints, drilling operations can be conducted on the restricted area. However, it would be much more desirable from the standpoint of surface operating space to utilize the expanded area.

Plans for Restoration of the Surface - Upon completion of the drilling operations, and if applicable completion work, a site restoration program will be initiated as soon as is practically possible. Every effort will be made to strive for approximation of the pre-existing surface conditions prior to drilling. All waste materials will be properly disposed of, and required revegetation will be conducted to meet the standards of the Forest Service. The drill site itself will be restored as near as practicality allows to its present character. All excavations will be backfilled. The site will be cleared of all waste materials, spoils piles leveled, and in the event it is not used for location of production facilities, the location will be contoured to blend with the natural surrounding terrain.

The primary pit will be fenced, and so maintained until cleanup. This will be done prior to rig release. Also, any oil on the pit will be removed or overhead flagging installed.

The proposed timetable for commencement and completion of rehabilitation will be: to begin and complete it as soon as is practically possible upon completion of drilling.

Other Information- Regional topography is mountainous,

with steep limestone supported slopes dominating the terrain. The proposed drill site is located adjacent to the main drainage channel of the Deep Creek Watershed. Soils are thin and rocky on the steeper side slopes, grading into colluvium and alluvium along Deep Creek. Vegetation in the area is predominantly intermittent scrub oak, forbes, and grasses. Fauna observed in the field include deer, various birds, a porcupine, and small rodents.

Surface uses in Deep Creek Canyon include grazing in the lower reaches, limited recreation along the access route, and previous gravel removal at the juncture of Highway 28 and Deep Creek Road.

Deep Creek flows surface discharge only seasonally. There are no occupied dwellings in the area, nor are there any known historical sites. An archaeological reconnaissance has revealed no significant artifacts or resources. An abandoned mine is present north of Deep Creek in section 16.

Lessee's or Operator's Representative - Mr. John Sindelar,
Division Drilling Superintendent for American Quasar, Casper,
Wyoming, is the lessee's field representative who is
responsible for assuring compliance with the approved surface
use and operations plan. He may be reached at the following
address:

Mr. John Sindelar
Division Drilling Superintendent.
American Quasar Petroleum Company
204 Superior Building
201 North Walcott Street
Casper, Wyoming 82601
Telephone: (307) 265-3362

Certification - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by American Quasar Petroleum Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

May 9 1980
Date


John F. Sindelar
John Sindelar
Division Drilling Superintendent

Credits - This report was prepared by Doyle L. Scroggs for American Quasar Petroleum Company. Copies may be obtained (with consent of American Quasar) from:

Mr. Doyle L. Scroggs
Khyber Corporation
1451 Larimer Street
Suite 200
Denver, Colorado 80202
Telephone: (303) 572-8449

The information comprising Appendix I, U.S. Geological Survey Ten Point Plan (Well Control and Related Information) was supplied by Mr. John Works of American Quasar Petroleum Company, Casper, Wyoming.

The author also acknowledges the cooperation of the U. S. Forest Service personnel in the Manti Lasal National Forest, Price and Ephram, Utah offices, in providing both their time and expertise during the field and review phases of this proposal.


Doyle L. Scroggs
Engineering Geologist

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Manti-LaSal National Forest
350 East Main Street
Price, Utah 84501

JUL 7 1980

SALT LAKE CITY, UTAH

2820

July 1, 1980



Mr. Edgar W. Gynn
Oil and Gas Operations
U.S. Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Dear Mr. Gynn:

Enclosed are two copies of the approved Environmental Assessment for Chicken Creek Federal Well 16-34. Pages 8 through 10 contain the Management Requirements and Constraints (stipulations) for necessary coordination with surface resources.

A Road Use Permit will be necessary to authorize construction and use terms of Forest Development Road 50149. This permit will be issued when the final approval for the roads and stream crossings are completed. The permit will also specify all road maintenance requirements for the life of the operation.

It is our understanding that the company will be bringing in a spud rig prior to completing the road and site construction. By this letter, we approve this action, recognizing that final road designs will be forthcoming for approval when completed by the company.

Your contact for this operation is Brent Erskine. His home phone number is 801-283-4102. His office phone number is 801-283-4151. Notification to Mr. Erskine will be given for all move in-move out operations, changed conditions, or difficulties with the operation that involve the Forest Service. In the event Mr. Erskine cannot be reached, contact Ben Black. Mr. Black's home phone number is 801-283-6274.

Sincerely,

REED C. CHRISTENSEN
Forest Supervisor

Enclosure

cc: Sanpete RD

X. APPENDIX

1. Chicken Creek Federal 16-34 Multipoint Surface Use and Operations Plan.
2. Cross Section and Pad Layout - Alternatives 1, 2, and 3.
3. H₂S Contingency Plan.
4. American Quasar Oil/Gas Exploration Road Design Standards (22 ADT).
5. Bond Calculation for American Quasar Petroleum Company - Chicken Creek Federal No. 16-34.

IX. DECISION NOTICE AND FINDING OF NO SIGNIFICANT EFFECT

AMERICAN QUASAR PETROLEUM COMPANY
EXPLORATORY WELL IN DEEP CREEK CANYON
JUAB COUNTY, UTAH
USDA - FOREST SERVICE
MANTI-LASAL NATIONAL FOREST

An environmental assessment report that discusses the effects of a proposal by American Quasar Petroleum Company to drill an exploratory oil/gas well in Deep Creek Canyon is available for public review at the Sanpete Ranger District Office in Ephraim, Utah and in the Forest Supervisor's Office, Price, Utah.

The location of the proposed well site conflicts with a stipulation in the lease that covers this area. This stipulation states, "No surface occupancy is authorized within a strip of land 300 feet on each side of Deep Creek Canyon road where it passes through the S $\frac{1}{2}$ of Section 16, T15S, R1E", because of important esthetic values for public benefits. During the analysis of the proposal, it was determined that there aren't any special or unique esthetic features in the S $\frac{1}{2}$ of Section 16, and the concerns of those people contacted during the analysis were (1) increased sediment in the creek and (2) public access across the site being available, particularly during the hunting season.

It is my decision, based on the analysis and evaluation described in the Environmental Assessment, to allow the well to be drilled. I have adopted Alternative 2C as the acceptable alternative.

Alternative 2C, with its specified mitigation measures, will provide a public thorough fare across the site, minimize the amount of sediment induced into the creek, increase dispersed recreational opportunities and minimize the area disturbed.

I have determined through the environmental analysis that this is not a major federal action that would significantly affect the quality of the human environment; therefore, an Environmental Impact Statement is not needed. This determination was made considering the following factors: (1) There are no threatened or endangered plants or animals within the affected area. (2) There are no special or unique esthetic features in the affected area. (3) There are no apparent adverse cumulative or secondary effects and (4) The flood plains of Deep Creek will not be adversely affected.

Implementation of the proposal can begin on the date this Decision Notice is signed.


Forest Supervisor

Date 7/1/80


Sanpete District Ranger

Date 6/26/80

VIII. CONSULTATION WITH OTHERS

Forest Service I.D. Team

Fred Thompson - Geologist, Forest Supervisor's Office, Price, Utah.

Brent Barney - Engineer, Forest Supervisor's Office, Price, Utah.

Steve Robison - Geologist, Forest Supervisor's Office, Price, Utah.

Bob Thompson - Range Conservationist, Forest Supervisor's Office, Price, Utah.

Mark Call - Hydrologist, Forest Supervisor's Office, Price, Utah.

Ben Black - District Ranger, Sanpete Ranger District, Ephraim, Utah.

U.S. Geological Survey

George Diwachak, Environmental Scientist.

American Quasar Petroleum Company

John Sindelar - Drilling Superintendent.

John Works - Drilling Engineer.

Coyle Scroggs - Geologist, Kyber Corporation.

Golden Mangelson - Representative of the informal company that has the rights to the water in Deep Creek.

David Swenson, Conservation Officer, Levan, Utah.

Rodney John - Regional Game Manager, Provo, Utah.

Keith Carter, President, Levan Wildlife Federation, Levan, Utah.

VII. IDENTIFICATION OF THE PREFERRED ALTERNATIVE

As a result of the application of the alternative formulation criteria, only one site area is viable. The optimum pad to construct within this site is Alternative 3, south of Deep Creek. Though it is not the least damaging to the site, it equals the least opportunity for pollution.

The alternative to remove excessive pitches is the preferred alternative road standard, since it causes the least impact on the environment.

VI. EVALUATION OF ALTERNATIVES

Evaluation Criteria

1. Area Disturbed
2. Sedimentation
3. Restoration
4. Residual Impacts

Alternative			Road Standards	
A	<u>Pads</u> B	C	1	2
L	H	M	M	H
H	L	M	L	M
L	H	M	M	H
H	M	M	M	H

Cuts and Fills	This alternative would create some cuts and fills in the road.	This alternative would cause cause some large near-vertical cuts and extensive fills. Some material would have to be end-hauled long distances or wasted to avoid impacts to the stream.
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The effects of implementing alternative road improvement standards are shown on the following table.

Issue or Concern	Alternative	
	Number 1 Remove Excessive Pitches	Number 2 Remove All Pitches
Access	<p>This would provide adequate access for current users, or administration. Removing excessive grades would result in the road being built on the existing alignment with less impacts to the canyon walls and stream while providing a road system with pitch grades of 9 percent to 12 percent. Longest pitch of 10 to 12 percent for 550 feet.</p> <p>Although these grades will be adverse grades for water haul during exploration drilling, they will be favorable grades for oil haul if development results.</p>	<p>This would provide better access than is needed for current users, or administration. Removing all grades above 8 percent would require excessive earthwork, creating high near-vertical rock cuts. The material would have to be end-hauled long distance or wasted to avoid impacts to the stream.</p>
Visual Impacts	<p>The removal of only excessive grades reduces the area impacted by reconstruction to one-half of Alternative 2, thus the impact on the visuals would be substantially less.</p>	<p>This alternative would have the greatest impact on visuals owing to the earth-moving required and the near vertical rock cuts.</p>
Pollutants	<p>This alternative would probably not add substantially to the pollutants in the creek,</p>	<p>This alternative would probably not add substantially to the pollutants in the creek.</p>

V. EFFECTS OF IMPLEMENTATION

The effects of implementing the alternative pads are displayed in the following table.

Issue or Concern	Alternative		
	Number 1 South of Road	Number 2 Over Deep Creek	Number 3 South of Deep Creek
1. Access	This pad would adequately satisfy access to areas up-canyon from the site.	Same as Alternative No. 1	Same as Alternative No. 2
2. Visual Impacts	This pad maximizes surface disturbance, and would be the most difficult to reclaim. The visual impact would be the greatest.	This pad minimizes surface disturbance and would be the easiest to reclaim. The visual impact would be the least.	This pad is between the other two pads in surface disturbance and reclamation, the visual impact would be less than Alternative 1 but more than Alternative 2.
3. Pollutants	This pad would provide the least opportunity for pollutants to gain access to Deep Creek.	This pad would provide the greatest opportunity for pollutants to gain access to Deep Creek, because it covers the creek.	This pad would provide a little more opportunity for pollutants to gain access to Deep Creek than Alternative 1, but very little more since the roadway would be between the pad and the creek.
4. Cuts and Fills	This has the greatest cuts (180 feet in height) and least fills.	This would have the least cuts (90 feet in height) and greatest fills since it would fill over the creek.	This would have less cuts than Alternative 1 (140 feet in height) and less fills than Alternative 2.

15. Cut and fill areas along the road and at the site will be hydro-seeded with the above seed mixture.
16. Slash from brushing the road will be scattered.
17. Keep sediment additions in the creek to the minimum and remove all debris resulting from site and road construction from the creek.
18. Close the road for public safety during the construction phase, except that the road must be open and no construction can occur during elk and deer hunting seasons.
19. Gravel stripped from the site can be spread on the roadway up-canyon from the site.
20. Some specific on-site decisions will need to be made when the rehabilitation is being done. These will be joint decisions between the oil company and the Forest Service.
21. Roadway embankment will be compacted to 95 percent of AASHTO T-99.
22. Aggregate surfacing requirements for the road will be determined by or under the direction of a registered professional engineer and submitted to the Forest Service for approval prior to placement.
23. Drill site grading, drainage, and surface drawings, plans, and specifications will be submitted to the Forest Service for approval prior to initiating construction. Provide drainage from the pad area. Construct eyebrow ditch to divert natural water around site. Construct a berm to contain water falling on the pad.
24. In the event of a discovery and producing well, a separate surface use and operation plan will be required covering any additional facilities. A pipeline would probably be tied into the nearest available line, which is approximately 25 miles east of the drill site. The line would traverse rugged terrain with numerous environmental considerations and constraints. The stipulations and constraints for action will require a separate E.A.
25. No changes in the road or pad construction design, or in the permit can be made without the written approval of the Forest Supervisor.
26. A "road use permit" will be issued to authorize construction and use of the Forest Development Road. This permit will be secured after all construction plans have been approved.

6. Fence both sides of the public access road that crosses the north edge of the site.
7. Chemical toilets, or equivalent, will be provided for drill crews during the operation. No sewage will be deposited on the National Forest.
8. Permittee will provide adequate fire suppression tools and equipment to ensure that immediate and proper action is taken should a wildfire occur.
9. All activities will be confined to the well site or on specified roads unless approved in advance by Forest Service.
10. No on-site burning will be permitted.
11. All garbage, debris, etc., will be hauled from the National Forest for disposal.
12. Signs indicating the presence of heavy equipment will be located at the intersection of the Deep Creek road and Highway 89.
13. The available topsoil will be stripped prior to site construction and stored on an acceptable location.
14. If the site does not go to production, the flat areas will be restored as follows:
 - a. Remove the gravel to natural material and scarify it.
 - b. Replace topsoil.
 - c. Drill seed the area with the following seed mixture:

(1) Smooth brome	2 lb./ac.
(2) Intermediate wheatgrass	3 lb./ac.
(3) Crested wheatgrass	3 lb./ac.
(4) Ladak alfalfa	5 lb./ac.
(5) <u>Poa pratensis</u>	3 lb./ac.
 - d. Fence the area to protect from vehicle travel for two growing seasons to allow for vegetation establishment.
 - e. Transplants of native shrubs and tree species will be done along the southern 1/4 of the site. Oak, maple and local conifer transplants will be placed at 10-foot intervals, or as otherwise directed by the Forest Service.

If the site goes to production, the above steps will be taken on all site areas not needed for the production phase.

2. Remove all pitches - Improve the road on the existing horizontal alignment with improvements as follows:

- a. Remove all pitches and provide maximum sustained grade of 8 percent.
- b. Widening of roadway to provide adequate width.
- c. Provide adequate turnouts.
- d. Stabilize weaker subgrades.

- D. Management Requirements and Constraints. The following Management Requirements and Constraints would apply to all alternatives for drill pad construction and the access road to the viable site:

1. If H₂S is encountered, place barriers at the mouth of the canyon and at the existing wooden bridge located east of the site, and provide signs to explain the road closure.
2. Replace the existing wooden bridge as per Forest Service specifications. The company will prepare site plan, bridge drawings, and material specifications and submit them to the Forest Service for approval prior to initiating construction.
3. Upgrade the two wet crossings with 54 inch culverts as prescribed by the Forest Service. The company will prepare a site plan and culvert drawings with headwalls and energy stilling basins and submit them to the Forest Service for approval prior to initiating construction.
4. The grade on the site cut slopes will be 1:1 and on fill slopes 1½:1. If bedrock is encountered, slope grades may be modified with Forest Service approval.
5. Vegetation removed at the pad site will be disposed of in the following manner:
 - a. Oakbrush and maple will be cut up and hauled off the Forest.
 - b. No piling will be permitted unless approved in advance by the Sanpete District Ranger.

3. Build the pad south of Deep Creek. The objective of this alternative is to reduce the cuts proposed by Alternative 2A and reduce the amount of sediment that may occur under Alternative 2B. The layout of this proposed site would fall between the layout of sites 2A and 2B. For reference see Appendix No. 1, American Quasar Petroleum Company - Chicken Creek Federal No. 16-34, and Appendix No. 2, Alternative #3.

Under this alternative no structures would be placed in the creek. To get the required 200 x 300 feet flat area, an earth-retaining structure would be built along the south edge of the creek. This structure would permit the site to be constructed to the proposed elevation without the loss of surface area that would occur if the low areas on the site were filled in with natural material. The slope of the fill from the creek edge to the pad elevation would reduce the available area and make the site too small.

The plan for the existing road would be the same as described under Alternative 2A. The finished pad elevation would be 6,452 feet.

- C. Alternative Road Improvement Standards. The improvements to the road would generally be in accordance with the American Quasar Oil/Gas Exploration Road Design Standards (22 ADT). See Appendix No. 5.

The following alternatives were considered but not evaluated because they would not comply with alternative formulation criteria for roads:

1. Use existing Forest Development Road #50149 without improvements. This alternative was not evaluated because it would not be useable by the truck traffic owing to grades, width, and safety.
2. Upgrade to a two-lane subgrade for possible development of production for oil or gas field. This alternative was not evaluated because predicted ADT for this alternative would be well below 100 ADT. Improvements would be excessive to expected needs.

The following alternatives were considered and evaluated:

1. Remove excessive pitches - Improve the road on the existing horizontal alignment with improvements as follows:
 - a. Remove excessive pitches.
 - b. Widening of roadway to provide adequate width.
 - c. Provide adequate turnouts.
 - d. Stabilize weaker subgrades.

IV. ALTERNATIVES

In this analysis two possible sites were considered for the well. Three other sites had been looked at earlier and would not meet any of the alternative formulation criteria. On one site there were two possible plans for constructing the pad, and on the other site there were three possible plans for constructing a pad. Four possible standards for road management were considered.

A. Drill Site Alternatives. Drill site No. 1 is 1,800 feet down canyon from the proposed site shown on Figure 1. This site was found to be unacceptable, owing to lack of room, cost of construction and rehabilitation, and the large environmental impacts. This would not meet U.S. Geological Survey regulations. This left only site number 2 for evaluation.

B. Pad Construction Alternatives. At the viable site, there are three pad alternatives. They are described as follows:

1. Build the pad south of the access road. The objective of this alternative is to minimize sediment being induced into the creek. For reference, see Appendix No. 1, American Quasar Petroleum Company - Chicken Creek Federal No. 16-34, and Appendix No. 2, Alternative #1. The existing road would be upgraded to support the proposed use.

To get drilling equipment onto the proposed site, a portion of the existing road off the site would be reconstructed. This reconstruction would involve raising the existing road to the proposed well site elevation of 6,457 feet. On the site, the reconstructed portion of the road would split. One portion would be used by those involved with the drilling operation. The other portion will be a thorough fare to pass public traffic. This through fare will be located on the north edge of the site.

2. Build the pad over Deep Creek. The objective of this alternative is to reduce the cuts proposed under Alternative 2A. For reference see American Quasar Petroleum Company - Chicken Creek Federal 16-34, Appendix No. 1 and No. 2, Alternative #2.

The plans for the existing road would be as described under Alternative 2A. The pad elevation would be 6,440 feet. Under this alternative, to get the required 200 x 300 feet flat area, 300 feet of culvert would be placed in the creek. Fill would be placed over the culverts to the elevation of the proposed drill pad, 6,440 feet. After drilling operations, the culvert could be removed and the stream channel restored.

III. CRITERIA

A. Alternative Formulation Criteria

From the I.D. Team review and discussions with American Quasar representatives, the following alternative formulation criteria was developed for the site:

1. The site must allow the well to be located on top of the targeted structure.
2. The site must meet the U.S. Geologic Survey regulations.
3. The site must provide adequate space in a situation where reclamation could be reasonably expected.

Criteria developed to determine management of the existing road are:

1. Must fit the terrain.
2. Must meet safety requirements.
3. Must meet standards for design.
4. Must facilitate completion of the remainder of the transportation system in the area.
5. Must meet traffic requirements of the exploration, plus existing traffic use.
6. Must provide alignment at major stream crossings and reconstruction sections that provides for developmental traffic, plus existing traffic use.
7. Must provide lowest possible cost of transportation (lowest total for environmental, plus construction, plus maintenance, plus user).

B. Alternative Evaluation Criteria

1. The amount of area disturbed should be minimized. This would also include minimizing the height of cuts and fills.
2. The least amount of sediment should be put in the creek.
3. The selected alternative should be the easiest to restore and revegetate.
4. The alternative selected should have the least residual impacts after restoration and revegetation.

The water of the creek is used for irrigation purposes and by wildlife. The irrigation users have a diversion structure located at the mouth of the canyon. The diversion structure consists of a metal grate supported by concrete. Stream water falls through the grate and is channeled into an open concrete ditch that transports the water to the fields.

The area is generally covered by a continuous stand of oakbrush (Quercus gambelii) and maple. Understory of plant species present are cow cabbage and Oregon grape. There are no threatened or endangered plant species on the site or along the road.

II. AFFECTED ENVIRONMENT

Forest Development Road No. 50149 accesses the area. It is located in the bottom of the drainage and is in constant competition with the stream for the limited area available. The canyon bottom narrows approximately one quarter of a mile onto the National Forest to a bottom width ranging from 50 feet to 100 feet. The canyon has moderately steep to steep side slopes, 35 to 80 percent are common. The stream gradient is about six percent. The bottom soils have good road engineering characteristics, being a clayey gravel or A-1.

There is 0.9 miles of road between the highway and the Forest boundary, and 2.3 miles from the Forest boundary to the proposed site (see Figure 1). The road from the highway to M.P. 1.2 has lower support capabilities. The soils in the upper portion of the road above M.P. 1.2 would have better support capabilities.

The road has nine pitches with grades between 10 and 15 percent over the 2.3 miles on the Forest. The pitches average 300 feet in length. Three of the pitches could be removed without difficulty. The steepest pitch of 18 percent could only be reduced to 12 percent without severe impacts to the stream and canyon. The horizontal alignment is relatively good for the design speed of the roads. The minimum curve radius encountered is 110 feet.

Road width, which is 12 feet or less, is inadequate on 1.3 miles of road in the upper portion above M.P. 2.2. The width on the lower portion is 14 feet or more, but could be inadequate if a large amount of gravel is needed to support the loads to be transported across it (gravel recommended - 6 inches, will be verified by pavement design).

The existing road crosses Deep Creek four times between the highway to the site. These crossings consist of an existing 60" cmp, one bridge, and two fords. The condition of the bridge is such that it would not support the proposed use.

The amount of traffic in Deep Creek Canyon is low. Most of it occurs during the big game hunting season. There is some ORV activities in the canyon, but the canyon does not lend itself well to this type of activity. Most of the areas suitable for camping are located above the site. Owing to recreation use on the road and the adjacent stream, the roadside-stream side zone has a partial retention visual classification.

Deep Creek is an intermittent stream. The high flows of the stream occur in the spring. By July, normally, most of the flow of the stream has disappeared. The stretch of stream near the proposed drill site normally has some flow. Low flow is less than 1/3 c.f.s. The flow in the stream is rejuvenated in April.

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There is 0.9 miles of road between the highway and the Forest boundary, and 2.3 miles from the Forest boundary to the proposed site (see Figure 1). The road from the highway to M.P. 1.2 has lower support capabilities. The soils in the upper portion of the road above M.P. 1.2 would have better support capabilities.

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The amount of traffic in Deep Creek Canyon is low. Most of it occurs during the big game hunting season. There is some ORV activities in the canyon, but the canyon does not lend itself well to this type of activity. Most of the areas suitable for camping are located above the site. Owing to recreation use on the road and the adjacent stream, the roadside-stream side zone has a partial retention visual classification.

Deep Creek is an intermittent stream. The high flows of the stream occur in the spring. By July, normally, most of the flow of the stream has disappeared. The stretch of stream near the proposed drill site normally has some flow. Low flow is less than 1/3 c.f.s. The flow in the stream is rejuvenated in April.

3. Pollutants. Sedimentation should not be a significant problem, however, during construction of the pad and reconstruction of the access road, there is a potential for materials to get into a stream. Further, during operations, there is a potential for chemicals or drill cuttings to get into Deep Creek.
4. Cuts and Fills. Access road and pad development may create significant cuts and fills. The stabilization and reclamation of these cuts and fills may be a problem.

The ID team did not identify any: archeologic; paleontologic; prime range or timber lands; threatened or endangered animals and plants; flood plains; alluvial valley floors; or RARE II further study areas within the project area. An archeological report by F. R. Hauck, and threatened and endangered plant and animal reports are available in the Sanpete Ranger District Office.

I. INTRODUCTION

A. Need for a Decision

American Quasar Petroleum Company of Denver, Colorado proposes to drill a 17,000 foot exploratory well in Deep Creek Canyon. A flat area of 200 feet by 300 feet is required for the drill and ancillary facilities. The company estimates it will take 280 days to drill the well to the desired depth. If drilling operations start July 1, 1980, they should be concluded by April, 1981, thus drilling operations will continue through the winter months. A joint on-site inspection of the proposal by the Forest Service and U.S. Geological Survey was conducted by May 27, 1980.

Because of geologic considerations, American Quasar Petroleum Company proposes to drill the well in the SE $\frac{1}{4}$ of Section 15, T15S, R5E. This area is located in Juab County approximately 6 $\frac{1}{2}$ miles south and east of Levan, Utah. Access to the area is from State Highway 28 on Forest Development Road No. 50149. See the map in the multi-point surface use and operations plan for Chicken Creek Federal 16-34, filed by American Quasar, included in the Appendix of this report.

The purposes of this Environmental Assessment are to determine the best location for the drill site, to select the least environmentally damaging way to create a level pad within the site, and to identify appropriate standards for road improvements to provide access to the site.

B. Issues, Concerns, and Opportunities

The interdisciplinary team reviewed the project on the ground with representatives of the U.S. Geological Survey and American Quasar Petroleum Company. Based on this review and subsequent discussions with the public, the following issues, concerns, and opportunities were identified:

1. Access. The access road, Forest Development Road 50149, will need to be designed and reconstructed to satisfy potential oil and gas operations, recreation access (especially during fall hunting seasons), and serve future needs of administration and range allotment users.
2. Visual Impacts. The drill areas are adjacent to recreation roads and visual quality could be impaired after the project terminates if the pad is not installed and, subsequently, reclaimed properly. Over-development of the road could also impair visual quality.

TABLE OF CONTENTS

	<u>Page</u>
I. Introduction	1
A. Need for a Decision	1
B. Issues, Concerns, and Opportunities	1
II. Affected Environment	3
III. Criteria	5
A. Alternative Formulation Criteria	5
B. Alternative Evaluation Criteria	5
IV. Alternatives	6
A. Drill Site Alternatives	6
B. Pad Construction Alternatives	6
C. Alternative Road Improvement Standards	7
D. Management Requirements and Constraints	8
V. Effects of Implementation	11
VI. Evaluation of Alternatives	14
VII. Identification of the Preferred Alternative	15
VIII. Consultation With Others	16
IX. Decision Notice/Finding Of No Significant Effects	17
X. Appendix	18

Date 7/1/80

ENVIRONMENTAL ASSESSMENT REPORT

EXPLORATORY WELL BY AMERICAN QUASAR PETROLEUM COMPANY

Lead Agency: USDA Forest Service
Forest Supervisor
Manti-LaSal National Forest
Price, Utah 84501

Responsible Official: Reed C. Christensen
Forest Supervisor
Manti-LaSal National Forest
Price, Utah 84501

For Further Information Contact: Ben Black
Sanpete Ranger District
Ephraim, Utah 84627

Prepared by Brent Enquist Date 6-26-80
(Forester)

Recommended
for Approval by Bennett Black Date 6/26/80
(District Ranger)
W. B. Bailey
7/1/80

Approved by Reed C. Christensen Date 7/1/80
(Forest Supervisor)

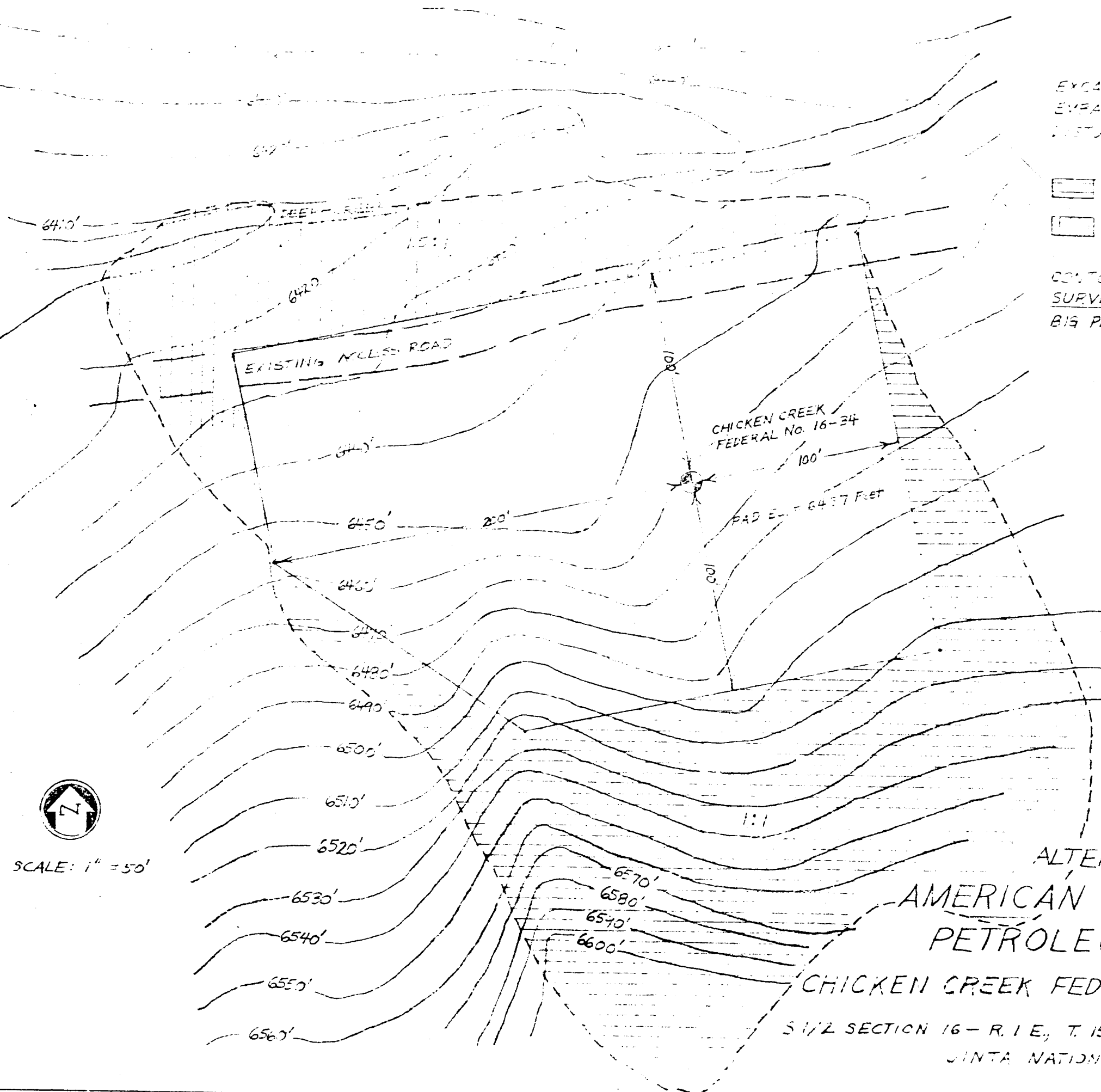
ABSTRACT: American Quasar Petroleum Company proposes to drill an exploratory well in Deep Creek Canyon. This EAR discusses the environmental impacts of this proposal.

15214.5

EXCAVATION = 80647 CY
EMBANKMENT = 10436 CY
DISTURBED AREA = 2.92 ACRES

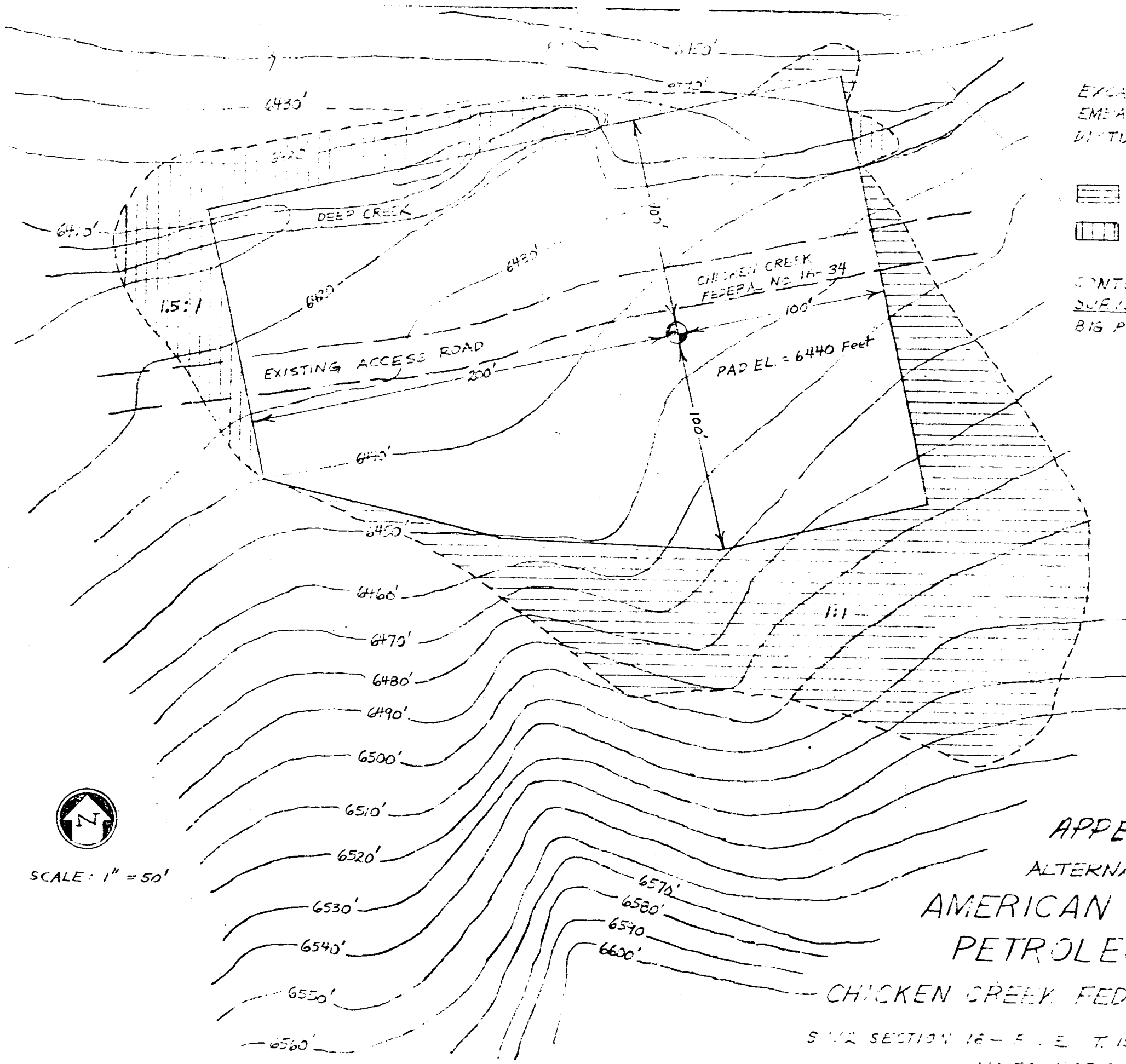
CUT SLOPE = 1:1
FILL SLOPE = 1.5:1

CONTOURS DETERMINED BY
SURVEYOR SCHERBEL LTD.
BIG PINEY, WYOMING



SCALE: 1" = 50'

APPENDIX #2
ALTERNATE #1
AMERICAN QUASAR
PETROLEUM CO.
CHICKEN CREEK FEDERAL No. 16-34
S 1/2 SECTION 16 - R. 1 E, T. 15 S., - SALT LAKE MERIDIAN
JUNTA NATIONAL FOREST



YARDAGE

EXCAVATION = 29,914 CY.
 EMBANKMENT = 12,496 CY.
 DISTURBED AREA = 2.21 ACRES
 400 FT. CHANNEL AFFECTED

CUT SLOPE = 1:1
 FILL SLOPE = 15:1

CONTOURS DETERMINED BY:
 SUPERIOR SURVEYING LTD.
 BIG PINEY, WYOMING

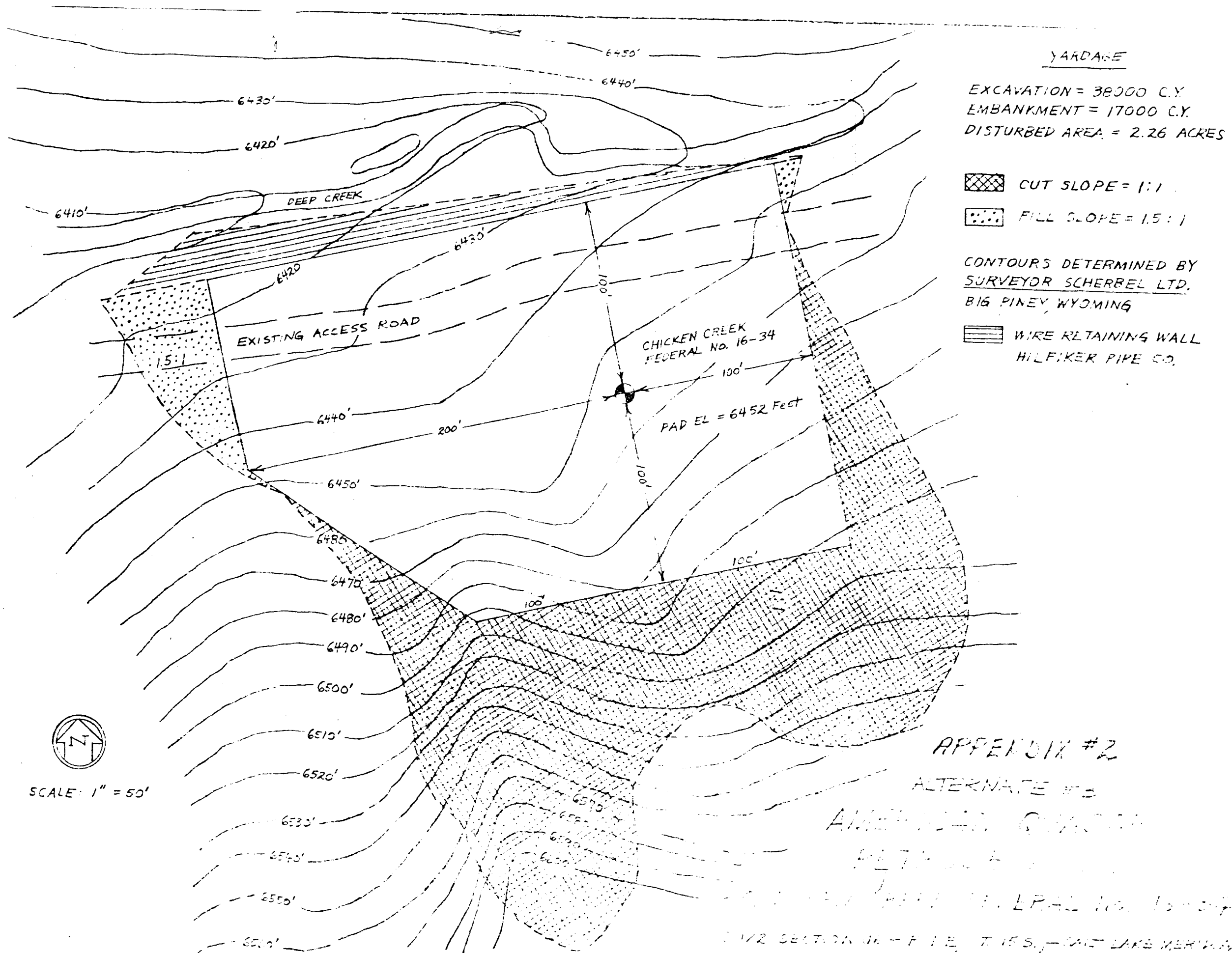
APPENDIX #2

ALTERNATE #2

AMERICAN QUASAR
 PETROLEUM CO.

CHICKEN CREEK FEDERAL No. 16-34

S 1/2 SECTION 16 - T. 15 S., R. 15 E., SALT LAKE MERIDIAN
 MOUNTAIN NATIONAL FOREST



APPENDIX #2

ALTERNATE #3

AMERICAN GUN CO.

4274

Case No. 10-57

1472 SECTION 16 - FIVE TIES - CANT LAKE MERRIMAN
CANTONAL FOREST

CONTINGENCY PLAN

This Contingency Plan was written specifically for:

AMERICAN QUASAR PETROLEUM COMPANY

710 UNITED BANK CENTER

1700 BROADWAY

DENVER, COLORADO 80290

ACTION PLAN FOR ACCIDENTAL RELEASE OF H₂S

CHICKEN CREEK FEDERAL 16-24

JUAB COUNTY, UTAH

This Plan is Subject to Updating

AMERICAN QUASAR PETROLEUM COMPANY

710 UNITED BANK CENTER

1700 BROADWAY

DENVER COLORADO 80290

MANTI-LASAL NATIONAL FOREST
FOREST RANGER
EPHRAIM, UTAH
JUN 16

RECEIVED

CONTINGENCY & EVACUATION PLAN

Name of Company:

AMERICAN QUASAR PETROLEUM COMPANY

710 UNITED BANK CENTER

1700 BROADWAY

DENVER, COLORADO 80290

Prospect: Wildcat

Well: Chicken Creek Federal 16-24

Location: SE, SW, Sec. 16
15S, 1E.

I. PURPOSE

The purpose of this plan is to safeguard the lives of the public, contract personnel, and company personnel in the event of equipment failures or disaster during drilling or completion operations in formations which may contain Hydrogen Sulfide Gas (H_2S).

AMERICAN QUASAR PETROLEUM COMPANY has specified materials and practices for the drilling or completion of this well to protect the safety of all concerned. However, as a precautionary measure, this contingency and evacuation plan has been prepared to further assure the safety of all concerned, should a disaster occur.

II. DESCRIPTION OF HYDROGEN SULFIDE GAS:

H_2S is colorless gas which smells similar to rotten eggs in low concentrations. In large concentration or over long periods of exposure, the sense of smell may be paralyzed. H_2S is extremely toxic gas that must be treated with extreme care to prevent injury to people.

H_2S is heavier than air (specific gravity = 1.19) and on still days tends to accumulate in low places. This accumulation could build up and lead to dangerous concentrations. However, if the H_2S gas is warmer than air, it will tend to rise until cooled off and could affect workers above the escaping source.

AMERICAN QUASAR PETROLEUM COMPANY
710 UNITED BANK CENTER
1700 BROADWAY
DENVER, COLORADO 80290

The toxicity of H₂S gas is as follows:

<u>Period of Exposure</u>	<u>Parts of H₂S Gas (PPM)</u>
Prolonged exposure-no adverse effects	10 PPM
Over 1 hour could be hazardous	150 PPM
Possible fatal in less than ½ hour	300 PPM
Fatal in a few minutes	700 PPM

III. TREATMENT OF HYDROGEN SULFIDE POISONING:

- A. Remove the victim to fresh air, call physician or ambulance if possible.
- B. If breathing is labored or has ceased, give artificial respiration immediately. Continue until physician is available, even if person appears to be not breathing. Should disaster conditions make it impossible to remove to fresh air, keep on your mask and use resuscitator on victim.
- C. If giving artificial respiration, and victim is breathing, use resuscitator to help eliminate H₂S from the bloodstream.
- D. Keep victim at rest and prevent chilling.
- E. Get victim to a physician as soon as possible.

IV. BLOWOUT PREVENTION MEASURE DURING DRILLING:

- A. Blowout preventor requirements:
All BOP equipment shall meet American Quasar Petroleum Company's specifications as to materials acceptable for H₂S service. This equipment will be tested to full working pressure on initial installation and routinely thereafter, not to exceed two week periods and at any time a seal has been broken, a leak experienced or a known H₂S bearing formation is to be drilled.
- B. Drill string requirements:
All drill string components are to be of material that meets American Quasar Petroleum Company specifications for H₂S service. All drill string.

C. Gas Monitoring Equipment:

1. A continuous H₂S monitoring system with two or more H₂S detection heads will be in operation, one sampling from the shale shaker and one sampling from the bell nipple below the rotary table. Both units should be monitored in the mud logger's trailer and/or the dog house. Each unit will be set to trigger a blinking light on the rig floor should the amount of H₂S reach 10 PPM and to trigger the alarm should the amount of H₂S reach 20 PPM. Any time it is necessary to deactivate the alarm (if H₂S is continuously present), a trained operator or H₂S Supervisor will monitor the H₂S detection system.
2. When approaching or completing H₂S formations, crew members may attach 8-hour H₂S electronic personnel monitors to their person, if warranted.
3. Hand held H₂S sampling gas detectors will be used to check areas not covered by automatic monitoring equipment.

D. Crew Training & Protection:

1. Blowout prevention drills:
Pit drill and trip drill training will be held with each crew until proficient in closing the well in. Drills will be held on a regular basis thereafter, with at least one drill per crew each week. Drills are to be on a surprise basis with the completion foreman or contract tool pusher triggering the alarm. Reaction time will be checked from the time the alarm goes off until well is simulated closed in. Closing time should be under two minutes. A copy of American Quasar Petroleum Company's blowout drill procedure will be posted on the rig floor.
2. H₂S Training and Drills:
H₂S safety training will be given to all personnel, including the correct fit and use of the gas masks, resuscitator, and artificial respiration. H₂S drills will be held on a surprise basis during drilling (or completion) and tripping operations. The drilling foreman or contract tool pusher will trigger the H₂S alarm and crews will proceed to get the mask on, and secure well as per posted drill procedures.

IV. BLOWOUT PREVENTION MEASURES DURING DRILLING: (continued)

D. Crew Training & Protection: (continued)

3. Safety Equipment:

As outlined in (Appendix I) H₂S safety protection equipment will be available to/or assigned each person on location and training given in correct usage.

V. CONTINGENCY PROCEDURES

A. Responsibility:

In order to assure the proper execution of this plan, it is essential that one person be responsible for and in complete charge of implementing these procedures. The responsibility will be as follows:

1. American Quasar Petroleum Company on-site representative or his assistant.
2. Contract tool pusher. Should he become disabled.
3. Foreman on tour.

B. General Equipment:

1. Two areas on location will be designated as BRIEFING AREAS. The one that is upwind from the wellbore will be designated as the "SAFE BRIEFING AREA". The "SAFE BRIEFING AREA" will be recognizable by the positioning of the "SAFETY" trailer in this area.
2. In the case of an emergency, personnel will assemble in the "SAFE BRIEFING AREA" as per prior instructions from AMERICAN QUASAR PETRO. COMPANY representative.
3. The H₂S "SAFETY" trailer provided by ESSE International, Inc. will contain the equipment listed in Appendix I and will have a wind sock or streamer to indicate wind direction.
4. A second wind sock or streamer will be located at the end of catwalk and visible from the rig floor.
5. A condition warning sign will be displayed on location and at entrance location, of current operating conditons.
6. A list of emergency telephone numbers (Appendix II) will be kept on rig floor, contract tool pusher's trailer, AMERICAN QUASAR PETRO. COMPANY trailer and in "SAFETY" trailer.
7. Two barricades will be available to block entrance to location should an emergency occur.
8. An external communication system should be installed in AMERICAN QUASAR PETRO. CO. trailer, mud logger's unit and on rig floor.

V. CONTINGENCY PROCEDURES (continued)

B. General Equipment: (continued)

9. An internal communication system should be installed between company trailer house, contract tool pusher's quarters, mud logger's unit, rig floor, shale shaker, mud mixer area, and choke manifold.

10. An undulating high and low pitch siren will be installed.

C. Emergency procedures and definition of warning signs:

Condition: GREEN -- NORMAL OPERATIONS

Condition: YELLOW -- POTENTIAL DANGER -- CAUTION

Cause for Condition:

1. Circulation
2. Trip gas after trips
3. Circulating out gas on chokes
4. Poisonous gas present, but below threshold concentrations.

Safety Action:

1. Check safety equipment and keep it with you.
2. Be alert for a change in condition warning sign.
3. Follow instructions.

Condition: RED -- EXTREME DANGER

Cause for condition:

1. Uncontrolled flow from well with lethal concentrations of H₂S.

Safety Action:

1. Stay in "SAFE BRIEFING AREA" unless instructed to do otherwise.
2. DO NOT PANIC.
3. The decision to ignite should be made only as a last resort and it is clear that:
 - a. Human life is endangered, and
 - b. There is no hope of controlling the well under prevailing conditions. Every effort should be made to notify AMERICAN QUASAR PETROLEUM COMPANY office if time permits.

V. CONTINGENCY PROCEDURES (continued)

C. Continued

4. Order evacuation of local people within the danger zone. Request help from local authorities, (State Police & Sheriff's Department) to evacuate people and to control traffic.
5. Notify office of well condition.

D. Evacuation Procedures:

1. The AMERICAN QUASAR PETROLEUM COMPANY representative (or next man-in-charge) will set off the siren and notify the appropriate agencies and law officers that an emergency exists and help is needed.
2. The State Police will contact residents in the danger zone. They will start with those in a downwind direction.
3. AMERICAN QUASAR PETROELUM COMPANY on-site representative (or next man-in-charge) will meet with appropriate agencies and law officers as soon as practical to brief them on the situation and coordinate evacuation efforts.

LIST OF APPENDICES

APPENDIX I.....	SAFETY EQUIPMENT
APPENDIX II.....	LIST OF RESIDENCES WITHIN (REQUIRED) RADIUS
APPENDIX III.....	MAP OF WELL LOCATION
APPENDIX IV.....	LAW ENFORCEMENT AGENCIES, FIRE FIGHTING FACILITIES, & GOVERNMENTAL AGENCIES
APPENDIX V.....	EMERGENCY & MEDICAL FACILITIES
APPENDIX VI.....	COMPANY & CONTRACT PERSONNEL

APPENDIX I

SAFETY EQUIPMENT

CONSISTS OF: PLAN II

- . Safety trailer with 10-380 C.F. cylinder cascade air supply system
- . 1000' low pressure air line hose with quick connects
- . Two low pressure manifolds
- . Eight air line masks with emergency escape cylinders
- . Eight 30-minute selfcontained breathing apparatus
- . Two wind socks and streamers
- . First aid kit (36 unit)
- . Oxygen powered resuscitator with cylinder
- . Flare gun with shells
- . Gas detector (pump type)
- . H₂S and Briefing Area signs
- . Stretcher

ADDITIONAL EQUIPMENT:

- * 3-Channel electronic monitor and explosion-proof warning system.

APPENDIX II

LIST OF RESIDENCES WITHIN (REQUIRED) RADIUS

There are no residences within the 2 mile radius public exposure area.

APPENDIX IV

LAW ENFORCEMENT AGENCIES

Police Department

Nephi, Utah

Office Phone No.....801/623-1626

Sheriff's Department

Nephi, Utah

Office Phone No.....801/623-1344

Robert Painter - Sheriff

Utah Highway Patrol

Orem, Utah

Office Phone No.....801/224-2441

FIRE DEPARTMENT

Nephi, Utah

Boyd Park - Fire Chief

Phone No.....801/623-1211

GOVERNMENTAL AGENCIES

U.S.G.S.

Salt Lake City, Utah.....801/524-5500

Utah Gas & Oil Board

Salt Lake City, Utah.....801/533-5771

APPENDIX V

EMERGENCY AND MEDICAL FACILITIES

Doctor's Offices:

Dr. Fred D. Catrett

Nephi, Utah

Office Phone No.....801/623-0775

Emergency Phone No.....801/623-1242

Dr. Wayne R. Viehweg

Nephi, Utah

Office Phone No.....801/623-0775

AMBULANCE

Nephi, Utah.....801/623-1344

HOSPITALS

Jaub County Hospital

Nephi, Utah.....801/623-1242

John McLain - Hospital Director

APPENDIX VI

COMPANY CONTRACT PERSONNEL

American Quasar Petroleum Co.
1700 Broadway
Denver, Colorado

Lee Nayler - Consultant on Location

DRILLING CONTRACTOR

Brinderhoff Signal Drilling Company
600 Denver Club Building
Denver, Colorado 80202.....303/571-1041

Rig #66
Phone No.....N/A As Yet

Mr. R. L. "Bob" Hubbert - Tool Pusher
P.O. Box 33
Big Piney, Wyoming 83113
Home Phone No.....307/276-3425

American Quasar Oil/Gas Exploration

Road Design Standards (22 ADT)

Design Speed	10 mph
Operating Speed	5-15 mph
Minimum Radius	100 Feet
Superelevation	N/A
Minimum Stopping Sight Distance	50 Feet
Minimum Lane Width Mixed Traffic	14 Feet
Turnout	1,000 Feet Max. Intervisible 10 Feet Wide 100 Feet Long 50 Feet Taper Length
Surfacing	0 to 6 Inches Gravel
Bridges	H5-20-44 Loading
Grade	8 Percent Max. Sustained
Ditch Width	Outsloped 4 Percent
Cut Slopes	(1) 0'-5' - 3:1 (2) 5'-10' - 2:1 (3) Over 10' - 1½:1
Fill Slopes	(1) 0'-5' - 3:1 (2) 5'-10' - 2:1 (3) Over 10' - 1½:1
Retaining Structures On Fills in Streams	Gabion Baskets
Clearing	(1) 5 Feet Beyond Top of Cut (2) Toe of Fill

Revegetation

- (1) Mulch, seed and fertilize on slopes steeper than $1\frac{1}{2}:1$.
- (2) Topsoil, mulch, seed and fertilize on slopes 2:1 or flatter.

Topsoil

All topsoil will be conserved.
Excess will be stockpiled in areas that are accessible to future use.

Drainage

- (1) Pipe to toe of fills for cross drainage.
- (2) Deep Creek crossing to be designed to prevent erosion and sedimentation. Stilling basins as required at CMP outlets.
- (3) Dips at 260 feet on outslope sections.

Earthwork

Balanced Sections

Gravel Source

Off-Forest

BOND CALCULATION FOR AMERICAN QUASAR PETROLEUM COMPANY - CHICKEN CREEK FEDERAL NO. 16-34.

I. SITE REHABILITATION

A. Stripping of gravel from pad

1. Time required - 10 hrs.
2. Equipment:
 - a. 2 cu. yd. front-end loader w/operator \$59.04/hr.
 - b. Two, 6-8 cu. yd. dump trucks w/operator \$23.34/hr.
 - c. 2 hrs. D-8 Cat w/operator \$60/hr.

Loader cost	\$590.40	
Truck cost	233.40	
Cat cost	<u>120.00</u>	
Total	\$943.80	\$944

B. Scarification of soil on the site

1. D-8 Cat w/operator and ripper
Estimated time 2 hrs. 120

C. Spreading topsoil

1. 3 hrs. D-8 Cat 180
2. 4 hrs. grader w/operator & laborer #34.06/hr. 136

D. Miscellaneous cat time - 3 hrs. 180

Total \$1560

E. Seeding/Planting site and road cut and fill

1. Cost of seed \$50
2. Transplants 125
3. Estimate hydroseeding costs
(includes equipment) 3000
\$3175

F. Crew costs

1, GS-9 @ 8.20/hr. - 8 hrs./day	\$197
2, GS-3 @ 4.30/hr. - 8 hrs./day (time required 3 days)	<u>206</u>

Total crew cost	\$405
-----------------	-------

Cost round trip miles 125 @ \$.25/mile for 3 days. 125 x 3 x .25	<u>\$95</u>
--	-------------

Total costs	\$500
-------------	-------

G. Fencing on site - net wire

Distance 350 ft. @ \$3.00/foot	\$1050
--------------------------------	--------

Total rehabilitation costs	<u>\$6700 (rounded to nearest \$100)</u>
----------------------------	--

II. ROADS

Provide drainage, blade and reshape 1½ miles of road.

1. Grader & operator 26.49/hr. - time required 8 hrs.

26.49 x 8	\$212
-----------	-------

<u>TOTAL ITEMS I AND II</u>	=	\$6700
		<u>212</u>
		\$6912

<u>Miscellaneous</u> - includes overhead, travel, etc. Includes cleaning of stream channel if necessary.	<u>800</u>
---	------------

TOTAL ALL ITEMS	\$7712
-----------------	--------

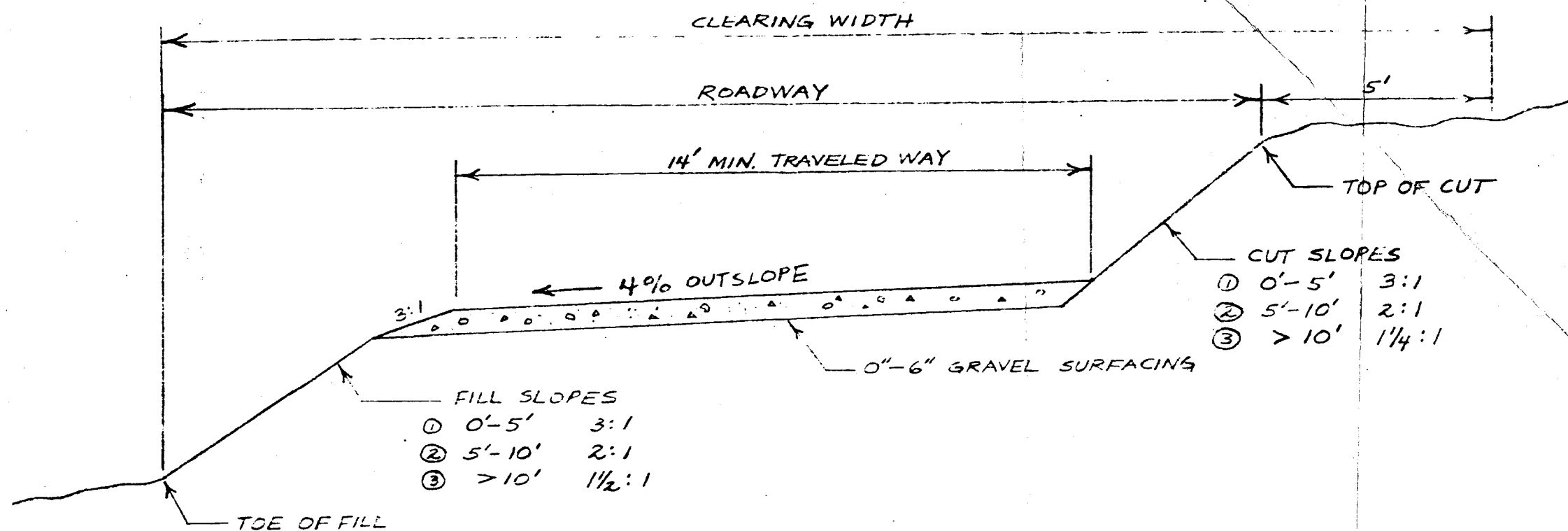
TOTAL BOND TO NEAREST \$100	\$7800
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Reviewed by *Donna W. Black*
Sanpete District Ranger

Date 7/1/80

Approved by *W H Bailey*

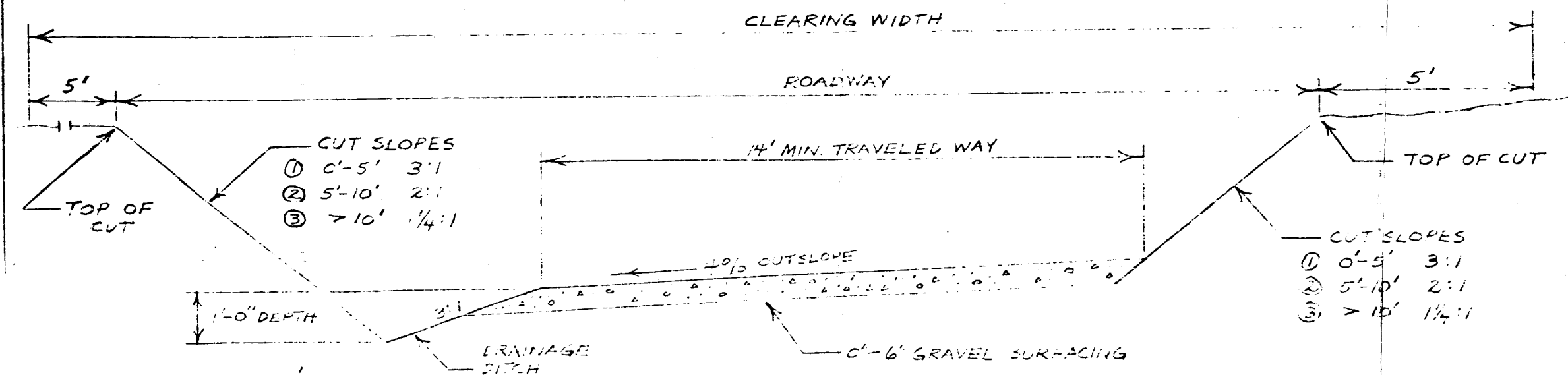
Date 7/1/80



TYPICAL SECTION IN CUTS & FILLS

NOTES

DESIGN SPEED: 10 MPH
 MINIMUM CURVE RADIUS: 100 FT
 SUPERELEVATION: N/A
 MINIMUM SIGHT DISTANCE: 50 FT
 TURNOUTS: 1,000 FT MAX.
 INTERVISIBLE
 10 FT. WIDE
 100 FT. LONG
 50 FT. TAPER
 GRADE: 8% MAX. SUSTAINED
 CONSTRUCTION TOLERANCE CLASS II
 HORIZONTAL ALIGNMENT ± 1 FT
 VERTICAL ALIGNMENT ± 0.6 FT
 FINISH ROAD WIDTH + 2 FT
 SURVEY CLASS II



TYPICAL SECTION IN THROUGH CUTS

APPENDIX # 4

TYPICAL SECTION

355

355

355

Name

** FILE NOTATIONS **

DATE: July 1, 1980

Operator: American Quasar Petroleum

Well No: Chicken Creek Unit #16-34

Location: Sec. 16 T. 15S R. 1E County: Quab

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

☒ API Number 43-023-30009

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: M.S. Winder 7-2-80

Survey plat should be signed by surveyor licensed in Ill.

Director: _____

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation 3rd Unit

Plotted on Map ☒

Approval Letter Written ☒

wtm

Unit approval

nl
PI

July 9, 1980

American Quasar Petroleum Company
of New Mexico
204 Superior Building
Casper, Wyoming 82601

Re: Well No. Chicken Creek Unit #16-34
Sec. 16, T. 18s, R. 1E.,
Juab County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-023-30009.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/btm

cc: USGS

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT **DUPLICATE***
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Location _____		5. LEASE DESIGNATION AND SERIAL NO. U-11146
2. NAME OF OPERATOR American Quasar Petroleum		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 204 Superior Bldg., 201 N. Wolcott, Casper, Wy 82601		7. UNIT AGREEMENT NAME Chicken Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1056' FSL, 2982' FWL		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 16-34
15. ELEVATIONS (Show whether DF, HT, GR, etc.) 6463' GR (surveyed)		10. FIELD AND POOL, OR WILDCAT Wildcat
16. COUNTY OR PARISH Juab		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 16, T15S, R1E
17. STATE Utah		

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Monthly report of Operations	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Approval to drill Granted July 9, 1980

No operations have commenced as of this date.

RECEIVED

NOV 3 1980

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John F. Sindelar
John F. Sindelar

TITLE Division Drilling Supt.

DATE 10/31 /80

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY *have a 16-34*

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐ Exploration
2. NAME OF OPERATOR
American Quasar Petroleum Co. of New Mexico
3. ADDRESS OF OPERATOR 707 United Bank Tower
1700 Broadway Denver, Colorado 80290
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 990' FSL, 1531' FWL *old footage location*
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐
☐
☐

(other) Commence drilling operations with a small, drilling rig.

RECEIVED

NOV 17 1980

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Construction of the roads and drillsite for this well will take in excess of 30 days, therefore we request:

1. Permission to commence drilling operations prior to December 3, 1980 with a small rig.
2. Set 20' 98# surface casing at 60'±.
3. Move off small rig.
4. Complete construction, move in larger rig and complete drilling operations.
5. By copy of this Sundry Notice we request 60 days from spudding with small rig until commencement of drilling operations with large rig.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Div. Operations Mgr DATE 11/14/80

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT **1** **DUPLICATE***
 (Other actions on
 reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Location		5. LEASE DESIGNATION AND SERIAL NO. U-11146
2. NAME OF OPERATOR American Quasar Petroleum		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 204 Superior Bldg, 201 N. Wolcott, Casper, WY 82601		7. UNIT AGREEMENT NAME Chicken Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1056' FSL, 2982' FWL		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 16-34
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6463' GR (surveyed)		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 16, T15S, R1E
		12. COUNTY OR PARISH Juab
		13. STATE Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Monthly report of Operations	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is a monthly report of operations for period Nov. 30, 1980
 11/30/80
 Drlg. 36" hole at 12' w/Bill Martin Jr. Rathole Drlg.
 Building location

RECEIVED

DIVISION OF
 OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED John F. Sindelar TITLE Division Drilling Supt. DATE 11/30/80
 (This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to ~~seal~~ or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for each proposal.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Location		5. LEASE DESIGNATION AND SERIAL NO. U-11146
2. NAME OF OPERATOR American Quasar Petroleum		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a
3. ADDRESS OF OPERATOR 204 Superior Bldg. 201 N. Wolcott. Casper, WY 82601		7. UNIT AGREEMENT NAME Chicken Creek
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14. PERMIT NO.		9. WELL NO. 16-34
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6463' GR (surveyed)		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 16, T15S, R1E
		12. COUNTY OR PARISH Juab
		13. STATE Utah

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Monthly Report of Operations ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is a monthly report of operations for period Dec.20, 1980 - Dec. 31, 1980

(please see attached chronological report)

RECEIVED
JAN 1 1981DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

J. F. Sindelar

TITLE Division Drilling Supt.

DATE 12/31/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

12/20/80 1 day. Drld sdy sh at 204'. Drld 88' in 18 hrs. MW 8.7; vis 42; WL 14.2; pH 12. Survey: 3/4° at 161'. Ran bit #1 1/2" Hughes OSC3J, s/n FW553) in at 116', bit has drld 88' in 18 hrs. Brinkerhoff Signal Rig 69, KB 18.5'. Spudded well at 11:00 am 12/19/80. Drlg wt 5M#; RPM 50.
12/21/80 2 days. Drlg gy ls silty sh at 392'. Drld 188' in 17 hrs. MW 8.8; vis 42; WL 13.2; pH 11. Survey: 1° at 205', 1° at 392'. Bit #1 has drld 276' in 35 hrs. Drlg wt 20M#; RPM 80.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

12/22/80 3 days. Tripping for plugged bit at 423'. Drld 31' in 1 1/2 hrs. MW 8.7; vis 43; WL 11.8; pH 11. Survey: 1° at 423'. Bit #1 has drld 307' in 36 1/2 hrs. PU stiff assembly, wshd & rmd to btm, plugged bit, now trp to unplug same.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

12/23/80 4 days. Tripping at 528'. Drld 105' of ls in 5 1/2 hrs. MW 8.7; vis 57; WL 11.2; pH 9.5. Survey: 3/4° at 466'. Bit #1 has drld 412' in 42 hrs. Drlg wt 25M#, RPM 100.

CHICKEN CRK. FED. 16-
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Crk Prosp.

12/24/80 5 days. Drlg. ls @ 720'. Drld. 192' in 12 hrs. MW 8.8; vis 82; WL 10; pH 9. Surveys: 1 1/2° @ 565'; 1 1/2° @ 690'. Pld. bit #1 at 465'. Bit had drld. 349' in 41 hrs. Dull grade: 6-4-1. Ran bit #2 (12 1/4" Smith DTJ, s/n BX5163) in at 465'. Bit has drld. 255' in 13 hrs. Drlg. wt: 25M#;

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

12/25/80 6 days. Trip. for bit at 1045'. Drld 225' of ls in 17 hrs. Survey: 1° at 818'; 3/4° at 1037'. Bit #2 was pld at 1045'. Bit drld 580' in 30 hrs. Dull grade: 3-2-1. Ran bit #3 (12 1/4" Smith DTJ, s/n AX8623) in at 1045'.

12/26/80 7 days. Drlg ls at 1300'. Drld 255' in 16 1/2 hrs. Survey: 1° at 1070'; 1 1/2° at 1226'; 1-3/4° @ 1290'. Bit #3 in at 1045' has drld 255' in 16 1/2 hrs. Drlg wt 39M#; RPM 110.

12/27/80 8 days. Drlg ls, cal, anhy at 1460'. Drld 160' in 15 1/2 hrs. Survey: 1-3/4° at 1321'; 2 1/4° at 1403'; 2-3/4° at 1460'. Pld bit #3 at 1417'. Bit drld 372' in 28 hrs. Dull grade: 6-4-1. Ran Bit #4 (12 1/4" Smith DTJ, s/n AX 5264) in at 1417', bit has drld 43' in 4 hrs. Drlg wt 15M#; RPM 120.

12/28/80 9 days. Drlg ls, anhy at 1580'. Drld 120' in 13 hrs. Survey: 3° at 1462'; 3 1/2° at 1558'. Pld bit #4 at 1508, bit drld 91' in 14 hrs. Dull grade: 5-3-1. PU 90' pendulum, ran bit #5 (12 1/4" Security M44N, s/n 942716) in at 1508'. Bit has drld 72' in 3 hrs. Drlg wt 25-60M#, RPM 35-80.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

12/29/80 10 days. Trip. @ 1777'. Drld 197' of gy ls in 17 hrs. MW 8.7; vis 37; WL 18; pH 8. Survey: 3° @ 1579'; 3 1/2° @ 1609'; 4 1/2° @ 1679'; 5° @ 1770'. Bit #5 drld 269' in 20 hrs. Now POH, prep to stand collars back & PB.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

12/30/80 11 days. TD 1777'. WOC. MW 8.7; vis 35; WL 20; pH 8.0. Survey: 5° at 1767'. Pld bit #5 @ 1777'. Bit had drld 269' in 20 hrs. Dull grade: 3-3-1. Pumped 525 sx Class H cmt w/1% CFR2 & 3 CaCl2 (17.5 ppg slurry). Pumped 10 bbls wtr, 87 bbls cmt slurry, displ w/16 bbls mud, followed by 1 bbl wtr.

Had full returns thruout, now WOC on PB plug.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

12/31/80 12 days. PBTD 1360'. Drlg cmt at 1360'. MW 8.8; vis 35; WL 11.2, pH 12. Fin. WOC, PU Dyna-Drill & ran bit #6 (12 1/4" Security M4N, s/n 948121) in at 1349'. Drld 11' soft cmt in 2 hrs. Polished top of cmt plug, now drlg hard cmt @ 1360' & att. to drill hole in proper direction. Drlg wt 1-2M#; RPM 400.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U11146
Communitization Agreement No. _____
Field Name Wildcat
Unit Name Chicken Creek
Participating Area _____
County Juab State Utah
Operator American Quasar Petroleum Co.
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of Dec., 1980

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
16-34	Sec. 16 SW 1/4 SE 1/4	T15S	R1E	Dec. 31, 1980	12 days. 11:00 am 12/19/80	TD 1360'. Dr1g. (Spudded well @ 11:00 am 12/19/80)			

RECEIVED
JAN 14 1981
DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX
Authorized Signature: <u>John F. Sindelar</u>	Address: 204 Superior Bldg., 201 N. Wolcott		
Title: _____	Page <u>1</u> of <u>1</u>		
Division Drig. Superintendent			

cc: St. of Utah

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Location		5. LEASE DESIGNATION AND SERIAL NO. U-11146
2. NAME OF OPERATOR American Quasar Petroleum		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a
3. ADDRESS OF OPERATOR 204 Superior Bldg, 201 N. Wolcott, Casper, WY 82601		7. UNIT AGREEMENT NAME Chicken Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1056' FSL, 2982' FWL		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 16-34
15. ELEVATIONS (Show whether DF, ST, OR, etc.) 6463' GR (surveyed)		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 16, T15S, R1E
		12. COUNTY OR PARISH Juab
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Monthly Report of Operations <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is a monthly report of operations for period Jan. 1, 1981 - Jan. 31, 1981
(please see attached chronological report)

18. I hereby certify that the foregoing is true and correct

SIGNED

John F. Sindelar

TITLE Division Drlg. Supt.

DATE 1/31/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

1/23/81 35 days. Drlg Arapian 1s @ 2260', drld 179' in 19 hrs. MW 8.9; vis 44; WL 10.4; pH 11.5. Survey: 3° @ 2155'; 3° @ 2215'. Bit #1 has drld 179' in 19 hrs. Drlg wt 40-45M#; RPM 50.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

1/24/81 36 days. Drlg 1s, sh & anhy @ 2400'. Drld 140' in 16½ hrs. MW 8.9; vis 46; WL 14.4; pH 10. Survey: 2½° @ 2284'; 3° @ 2340'. Pld bit #1 @ 203' in 24½ hrs. Dull grade: 7-8-½. Ran bit #2 (12½" Security DMM, s/n 910027) in @ 2284', bit has drld 116' in 11 hrs. Drlg wt 40M#; RPM 50.

1/25/81 37 days. Drlg anhy, sh & 1s @ 2602', drld 202' in 20½ hrs. MW 8.9; vis 41; WL 10.4; pH 7. Survey: 2-3/4° @ 2402'; 3½° @ 2529'; 3½° @ 2592'. Bit #2 has drld 318' in 31½ hrs. Drlg wt 45M#; RPM 50.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

1/26/81 38 days. Trp for bit @ 2739', drld 137' in 17½ hrs. MW 8.9; vis 59; WL 7.2; pH 8.5. Survey: 3½° @ 2623'; 3½° @ 2739'. Pld bit #2 @ 2739', bit drld 455' in 49 hrs. Dull grade: 5-7-½. Ran bit #3 (12½" Security SAT, s/n 212606) Now TIH @ 2739'. Drlg anhy & 1s.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

1/27/81 39 days. Drlg anhy & 1s @ 2852', drld 113' in 19½ hrs. MW 8.9; vis 37; WL 8; pH 10.5. Survey: 4° @ 2749; 3½° @ 2810'. Fin TIH w/bit #3, in @ 2739, bit has drld 113' in 19½ hrs. Drlg wt 10M#; RPM 90.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

27' in 9½ hrs. Drlg wt 10M#; RPM 110.

1/28/81 40 days. Drlg 1s @ 2917', drld 65' in 18 hrs. MW 8.8; vis 37; WL 7.2; pH 11.5. Survey: 3-3/4° @ 2842'; 3-3/4° @ 2905'. Bit #3 was pld @ 2890', bit drld 151' in 28 hrs. Dull grade: 6-3-1. Ran bit #RR10A (12½" Reed FP52J, s/n 341695) in @ 2890', bit has drld

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

1/29/81 41 days. Drlg 1s & anhy @ 3010', drld 93' in 23 hrs. MW 8.8; vis 36; WL 7.2; pH 11. Survey: 3° @ 2937; 3° @ 3000'. Bit #RR10A has drld 110' in 31½ hrs. Drlg wt 10M#; RPM 110.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

1/30/81 42 days. Drlg 1s @ 3083', drld 73' in 22 hrs. WM 8.8; vis 41; WL 6.4; pH 11. Survey: 3-3/4° @ 3061'. Bit #10A has drld 183' in 53½ hrs. Drlg wt 8M#; RPM 110.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

1/31/81 43 days. Drlg 1s @ 3127', drld 44' in 11½ hrs. Survey: 3-3/4° @ 3093'. Pld bit #RR10A @ 3087', bit drld 197' in 55½ hrs. Dull grade: 1-1-1. Ran bit #4 (12½" Smith A1, s/n AS0645) in @ 3087', bit has drld 40' in 9½ hrs. Drlg wt 10M#; RPM 80.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/13/81 25 days. Opening hole @ 141'. TD 2081'. Drld 41' of 12½ hole in 6 hrs. Pld bit #12 @ 2081', bit drld 436' in 53 hrs. Dull grade: 4-5-1. PU ole opener #1 (17½" Grant, s/n N6980) in @ 116', hole opener has rmd 25' in ½ hr. Logged w/Schlumberger, ran dual laterolog, sonic & dipmeter from 2080'-surface. Rmg wt 2M#; RPM 50.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/14/81 26 days. Opn 12½ x 17½" hole @ 605', opn 464' in 24 hrs. MW 9.8; vis 46; WL 12; pH 9.5. Hole opener #1 has rmd 489' in 24½ hrs. Rmg wt 20M#; RPM 60.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/15/81 27 days. Rmg 17½ x 12½" hole @ 955'. Rmd 350' in 19 hrs. Pld HO #1 @ 890', rmd 774' in 39 hrs. Ran HO #2 (17½" Security M6980) in @ 890', reamer has rmd 65' in 4 hrs. Now opening hole.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/16/81 28 days. Rmg 17½ x 12½" hole @ 1510'. Rmd 555' in 22½ hrs. MW 9; vis 40; WL 12, pH 9.5. HO #2 has rmd 620' in 26½ hrs. Rmg wt 25M#; RPM 90.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/17/81 29 days. Opn 12½" hole to 17½" @ 1755'. Rmd 245' in 17 hrs. POH w/HO #2 @ 1660'. HO rmd 770' in 39 hrs. Ran HO #3 (17½" Security N6980, s/n 20932) HO has rmd 95' in 4½ hrs. Rmg wt 25M#; RPM 90.

24 hrs. Ran HO #4 (17½" Security B17, s/n X5245) HO has rmd 2' in ½ hr. Rmg wt 25M#; RPM 90.

1/18/81 30 days. Rmg 12½" hole to 17½" @ 1954'. Rmd 199' in 20 hrs. Pld HO #3 @ 1952', HO rmd 292' in 199' in 20 hrs. Pld HO #3 @ 1952', HO has rmd 2' in ½ hr. Rmg

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/19/81 31 days. WOC. TD 1975'. MW 9.1; vis 63; WL 17; pH 8.5. Pld HO #4 @ 1975'. HO rmd 23' in 3 hrs. Circ, cond hole, RU & ran 46 jts 13-3/8" 68# K55 STC Rge 3 csg. Total 1978.73' set @ 1972.73. RU & cmt w/Halliburton, cmt w/1200 sx Howco-Lite, 10# gilsonite, ¼# flocele per/sx, followed by 500 sx Class

G, ¼# flocele, 2% CaCl₂, bumped plug, plug held, plugged down @ 5:15 am. Cmt circ, had full returns thruout cmt job, now WOC.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/20/81 32 days. NU BOPE, TD 1975'. Fin WOC, installed 13-5/8" 5M psi WH, NU BOPE, now fin NU prep to pressure test.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/21/81 33 days. TD 2081'. Drlg plug. MW 8.9; vis 37; WL 12.8; pH 10.8. Fin NU BOPE, press test BOP's, manifolds & valves to 5M#; Hydrill to 2500 lbs. TIH w/RR11A (12½" Reed Y11, s/n 922638) now drlg plug.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/22/81 34 days. TD 2081'. Prep to drl. MW 8.9; vis 34; WL 13.6; pH 11.5. Drld plug & cmt, press test csg to 1500 psi; drl cmt & shoe, W&R 108' open hole. Circ & cond, POH, PU BHA, ran bit #1 (12½" Security DMM, s/n 910026) RU corrosion injection system, now prep to drl.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

Drlg up stripper rubber.
Drlg wt 3M#; RPM 450.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/3/81 15 days. Drlg w/DynaDrill @ 1444'. Drld 16' in 14 hrs. Survey: 1-3/4° @ 1398'; 2 1/4° @ 1420'. Pld bit #7 @ 1444', bit drld 33' in 30 hrs. Dull grade: 5-4-1/16". Now TIH w/bit #8 (12 1/4" Smith DGJ, s/n AX5161).

1/4/81 16 days. TD 1458'. Drld 14' 1s in 8 1/2 hrs. Survey: 2° @ 1433'. Bit #8 has drld 14' in 8 1/2 hrs.

1/5/81 17 days. TD 1461'. Drld 3' 1s in 5 1/2 hrs. Changing out BHA & TIH. MW 8.9; vis 38; WL 14; pH 11.5. Pld bit #8 @ 1461'. Bit drld 17' in 14 hrs. Dull grade: 4-4-1/16. Fin. drlg up stripper rubber, POH, LD Dyna-Drill, PU super-stiff BHA & bit #9 (12 1/4" Reed Y12, s/n 930298). Now TIH @ 1461'.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/6/81 18 days. Drlg 1s @ 1512'. Drld 51' in 18 1/2 hrs. MW 8.9; vis 36; WL 14.9; pH 11.5. Survey: 2 1/4° @ 1466'; 2 1/4° @ 1497'. Fin TIH w/bit #9 in at 1461', bit has drld 51' in 18 1/2 hrs. Drlg wt 4M#; RPM 35.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/7/81 19 days. Drlg 1s @ 1552'. Drld 40' in 23 hrs. MW 9; vis 43; WL 14.6; pH 10.5. Survey: 2-3/4° @ 1528'. Bit #9 has drld 91' in 41 1/2 hrs. Drlg wt 3M#; RPM 60.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.
wt 3-5M#; RPM 35-60.

1/8/81 20 days. Drlg 1s @ 1595'. Drld 43' in 19 1/2 hrs. MW 9; vis 40; WL 14.8; pH 10. Survey: 2 1/4° @ 1565'. Pld bit #9 @ 1566'. Bit 105' in 48 hrs. Dull grade: 5-2-1/4. Ran bit #10 (12 1/4" Reed FP52, s/n 341695) in @ 1566', bit has drld 29' in 13 hrs. Drlg

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/9/81 21 days. Drlg 1s @ 1635'. Drld 40' in 16 hrs. MW 8.9; vis 38; WL 12, pH 10. Survey: 3° @ 1590'; 2 1/2° @ 1622'. Pld bit #10 @ 1600'. Bit drld 34' in 17 hrs. Dull grade: 2-2-1. Ran bit #11 (12 1/4" Reed Y11J, s/n 922638) in @ 1600'. Bit has drld 35' in 12 hrs. Drlg wt 3M#; RPM 120.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

hrs. Survey: 2-3/4° @ 1778'; 2-3/4° @ 1903'. Bit #12 has drld 288' in 32 hrs. Drlg wt 40M#; RPM 50.

1/10/81 22 days. Drlg 1s @ 1770'. Drld 135' in 15 1/2 hrs. Survey: 2 1/4° @ 1653'; 3° @ 1747'. Pld bit #11 @ 1645'. Bit drld 45' in 16 hrs. Dull grade: 4-1-1/8. Ran bit #12 (12 1/4" Security DMM, s/n 901301) in @ 1645', bit has drld 125' in 11 1/2 hrs. Drlg wt 45M#; RPM 48.

1/11/81 23 days. Drlg 1s @ 1933'. Drld 163' in 20 1/2 hrs.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

1/12/81 24 days. Drlg 1s @ 2040', drld 107' in 15 hrs. MW 9.1; vis 45; WL 12; pH 10. Survey: 2-3/4° @ 1934'; 3° @ 2029'. Bit #12 has drld 395' in 47 hrs. Drlg wt 40M#; RPM 50.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

1/1/81 13 days. Time drlg w/Dyna-Drill @ 1410'.
Drld 61' in 23 hrs. MW 8.7; vis 35; WL 14.6; pH 12.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

1/2/81 14 days. Drlg ls formation @ 1428'. Drld 18'
in 16½ hrs. MW 8.8; vis 37; WL 13.6; pH 12. Pld bit #6
@ 1411'. Bit had drld 62' in 25½ hrs. Dull grade:
5-6-1/8. Ran bit #7 (12¼" Security M4N, s/n 915216)
in @ 1411'. Bit has drld 17' in 16 hrs. Drlg wt
2-3M#; RPM 320.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER Location

2. NAME OF OPERATOR

American Quasar Petroleum

3. ADDRESS OF OPERATOR

204 Superior Bldg, 201 N. Wolcott, Casper, WY 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1056' FSL, 2982' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, BT, OR, etc.)

6463' GR (surveyed)

5. LEASE DESIGNATION AND SERIAL NO.

U-11146

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

Chicken Creek

8. FARM OR LEASE NAME

Federal

9. WELL NO.

16-34

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SUBST OR AREA

Sec. 16, T15S, R1E

12. COUNTY OR PARISH

Juab

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Monthly Report of Operations

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is a monthly report of operations for period 2/1/81 - 2/28/81

(please see attached chronological report)

RECEIVED
MAR 30 1981DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John F. Sindelar

TITLE Division Dir. Supt.

DATE 2/28/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

2/24/81 67 days. Drlg 1s w/ anhy @ 6590', drld 185' in 21 hrs. MW 9; vis 50; WL 8; pH 9.5. Survey: 1° @ 6243'; 1-3/4° @ 6485'; 1° @ 6547'. Bit #22 has drld 1152' in 150½ hrs. Drlg wt 48M#; RPM 65.

CHICKEN CREEK FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

2/25/81 68 days. Drlg 1s, ss, & anhy @ 6755', drld 165' in 21 hrs. MW 8.8; vis 56; WL 9.6; pH 10. Survey: ½° @ 6579'; 1-3/4° @ 6674'; 1° @ 6706'. Bit #22 has drld 1317' in 161½ hrs. Drlg wt 55M#; RPM 65.

CHICKEN CREEK FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

2/26/81 69 days. TD 6837', drld 82' of 1m & sh stringers in 8½ hrs. Checking DC's. MW 8.8; vis 54; WL 9.2; pH 10. Survey: 1-3/4° @ 6796'. Bit #22 has drld 1399' in 170 hrs. Lost complete returns @ 6837', mxd up 500 bbls of 35% LCM, sptd on btm, could not regain returns. POH, could not fill

hole, chkd DC's, now prep to stage in hole, att to regain returns.

CHICKEN CREEK FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

2/27/81 70 days. TD 6837', att to regain circ. MW 8.6; vis 40; WL 26; pH 8. Lost circ material 45%, well is on vacuum. Mxd & sptd 1600 bbls 45% LCM mud @ intermittent intervals. Have no indication of hydrostatic buildup. Now prep to set cmt plug.

CHICKEN CREEK FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

2/28/81 71 days. WOC. Mxd 750 bbls drlg mud w/45% LCM, sptd on btm, POH, TIH, set 150 sx Thixotropic plug, POH, 10 stands, WOC, TIH to tag plug, att to break circ, DP plugged. Now POH.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

2/13/81 56 days. Drlg @ 4892', drld 192' of Arapian
1s in 19 hrs. MW 8.9; vis 54; WL 7.8; pH 9.0. Bit #21
has drld 817' in 84½ hrs. Survey: 2½° @ 4689'; 2½° @
4787'; 2-3/4° @ 4250'. BGG trace; drlg wt 42-50M#; RPM
60.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

2/14/81 57 days. Drlg @ 5112', drld 220' Arapian 1s
in 18½ hrs. Survey: 2½° @ 4881'; 2° @ 5008'; 2½° @
5102'. Bit #21 has drld 1037' in 103 hrs. Drlg wt
45-50M#; RPM 60.

2/15/81 58 days. Drlg @ 5295', drld 183' of Arapian
in 20 hrs. Survey: 2½° @ 5163'; 2-3/4° @ 5229'.

Bit #21 has drld 1220' in 123 hrs. Drlg wt 45-50M#; RPM 60.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

2/16/81 59 days. Trip. for bit @ 5438', drld 143' in
16 hrs. MW 8.9; vis 52; WL 7.8; pH 9.0. Pld bit #21
@ 5438', bit drld 1363' in 139 hrs. Dull grade: 4-6-1/8".
PU bit #22 (12½" Security M89TF, s/n 969535) Survey:
2-3/4° @ 5291'; 2½° @ 5385'; 2½° @ 5438'.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

2/17/81 60 days. Drlg @ 5605', drld 167' of Arapian
1s in 16½ hrs. MW 9.1; vis 54; WL 7.8; pH 9.0. Survey:
2½° @ 5507'; 2½° @ 5573'. Bit #22 has drld 167' in 16½
hrs. Drlg wt 45M#; RPM 60.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

2/18/81 61 days. Drlg @ 5766', drld 161' of Arapian
1s in 21 hrs. MW 9.2; vis 52; WL 8; pH 9. Survey:
2½° @ 5637'; 2½° @ 5696'; 1-3/4° @ 5731'. BGG trace.
Bit #22 has drld 328' in 37½ hrs. Drlg wt 45-53M#;
RPM 60.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

2/19/81 62 days. TD 5819', looking for hole in DP,
drld 53' of Arapian 1s in 8½ hrs. MW 9.2; vis 54; WL
8.0; pH 9.0. Survey: 1-3/4° @ 5762'; 1½° @ 5793'.
Lost pump pressure, TOH looking for hole in DP.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

2/20/81 63 days. Drlg @ 5898', drld 79' of Arapian silt.
& anhy in 14 hrs. MW 9.2; vis 56; WL 8.2; pH 9. Survey:
2½° @ 5822'; 2½° @ 5888'. BGG trace; trip gas 3 units.
Drlg wt 50-55; RPM 60.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

2/21/81 64 days. Drlg @ 6082', drld 184' of Arapian 1s
in 19½ hrs. Survey: 2° @ 5920'. BGG trace. Bit #22
has drld 544' in 79½ hrs.

2/22/81 65 days. Drlg @ 6238', drld 156' of Arapian 1s
in 19½ hrs. Survey: 2° @ 6168'; 1½° @ 6233'. Bit #22
has drld 800' in 99 hrs. Drlg wt 45-50M#; RPM 60-65.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

2/23/81 66 days. Drlg @ 6405', drld 167' of Arapian 1s
in 20½ hrs. MW 8.9; vis 57; WL 8.4; pH 9.0. Survey:
1-3/4° @ 6393'. BGG trace. Bit #22 has drld 967' in 119½
hrs. Drlg wt 45-50M#; RPM 60-65.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah

2/3/81 46 days. Drlg ls @ 3450', drld 128' in 21½ hrs. MW 8.9; vis 51; WL 5.6; pH 10.5. Survey: 4½° @ 3340'; 3½° @ 3405'; 4° @ 3438'. Bit #5 has drld 215' in 39 hrs. Drlg wt 45M#; RPM 50.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah

2/4/81 47 days. Drlg ls @ 3540', drld 90' in 14 hrs. MW 8.9; vis 59; WL 8.0; pH 9.5. Survey: 3° @ 3483'. Pld bit #5 @ 3483', bit drld 248' in 44½ hrs. Dull grade: 6-6-I. Ran bit #6 (12½" DMN Security, s/n 927304) in @ 3483', bit has drld 57' in 8½ hrs.

Drlg wt 45M#; RPM 50. Lost 400 bbls mud on trip @ 3483', now drlg w/full returns.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah

2/5/81 48 days. Drlg ls @ 3703', drld 163' in 22 hrs. MW 8.8; vis 56; WL 8.4; pH 10. Survey: 3½° @ 3533'; 3½° @ 3658'. Bit #6 has drld 220' in 30½ hrs. Drlg wt 45M#; RPM 50.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah

2/6/81 49 days. Drlg ls & anhy @ 3812', drld 109' in 18½ hrs. MW 8.9; vis 47; WL 8.8; pH 8.5. Survey: 3½° @ 3722'; 3½° @ 3753'. Pld bit #18 @ 3732', bit drld 349' in 36½ hrs. Dull grade: 4-8-½. Ran bit #19 (12½" Security DSJ, s/n 938971) in @ 3732', bit has

drld 80' in 12½ hrs. Drlg wt 40M#; RPM 50.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah

2/7/81 50 days. Drlg @ 3960', drld 148' of Arapian ls & anhy in 21½ hrs. Survey: 3-3/4° @ 3816'; 3° @ 3939'. Bit #19 has drld 228' in 34 hrs. BGG 1 unit. Drlg wt. 35-40M#; RPM 50.

2/8/81 51 days. Drlg @ 4018', drld 58' Arapian ls & anhy in 12 hrs. POH w/bit #19 @ 3974', bit drld 242' in 37 hrs. Magnaflux B&A, TIH w/bit #20 (12½" Security DMN, s/n 938132). Bit has drld 44' in 9 hrs. Survey: 2-3/4° @ 3975'; 3½° @ 4003'. Drlg wt 40M#; RPM 50.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah

2/9/81 52 days. Drlg Arapian @ 4150', drld 132' in 17 hrs. MW 8.8; vis 49; WL 6.4; pH 9.0. Pld bit #20 @ 4075', bit drld 101' in 17 hrs. Dull grade: 4-7-I. Ran bit #21 (12½" Security M89TF, s/n 969326) Bit has drld 75' in 9 hrs. Survey: 3½° @ 4075'; 2-3/4° @ 4129'. BGG trace,

Trip gas 3. Drlg wt 20-30M#; RPM 60.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah

2/10/81 53 days. Drlg @ 4328', drld 178' of Arapian ls in 19½ hrs. MW 8.8; vis 56; WL 7.2; pH 9.0. Bit #21 has drld 253' in 28½ hrs. Survey: 2-3/4° @ 4162'; 2½° @ 4254'; 3° @ 4315'. BGG trace; Drlg wt 30-38M#; RPM 60.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah

2/11/81 54 days. Drlg @ 4525', drld 179' of Arapian ls in 19 hrs. MW 8.9; vis 52; WL 7.8; pH 9.5. Bit #21 has drld 450' in 47½ hrs. Survey: 3° @ 4381'; 3° @ 4442'; 2½° @ 4501'. Drlg wt 35-40M#; RPM 60.

CHICKEN CREEK
FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prop.

2/12/81 55 days. Drlg @ 4700', drld 175' of pk qtz & ss in 18 hrs. MW 9.1; vis 56; WL 7.8; pH 8.5. Survey: 2-3/4° @ 4535; 3° @ 4600; 3° @ 4658'. Bit #21 has drld 625' in 65½ hrs. BGG trace; drlg wt 42-45M#; RPM 60.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah

2/1/81 44 days. Trp for bit @ 3235'. Drld 108' in 20½
hrs. Survey: 4° @ 3218'. Bit #4 has drld 148' in 30 hrs. Drlg wt 8M#; RPM 90.

CHICKEN CREEK

FED 16-34

(16,500' Deseret-WC)
Juab Co., Utah

2/2/81 45 days. Drlg 1s @ 3322', drld 87' in 17½ hrs.
MW 8.9; vis 55; WL 4.8; pH 10.5. Survey: 4° @ 3249';
3½° @ 3312'. Ran bit #5 (12½" Security DMM, s/n 924043)
in @ 3235', bit drld 87' in 17½ hrs. Drlg wt 40M#;
RPM 50.



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
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EDWARD T. BECK
E. STEELE McINTYRE

April 1, 1981

American Quasar Petroleum Co.
204 Superior Building
201 North Wolcott,
Casper, Wyoming 82601

Re: SEE ATTACHED SHEET
(March 1981)

Gentlemen:

Our records indicate that you have not filed the Monthly drilling reports for the month indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

SANDY BATES
CLERK-TYPIST

ATTACHED SHEET
WELLS, SEC. T. R.

1. Well No. 3-9
Sec. 3, T. 2N. R. 7E.
SUMMIT, COUNTY, UTAH
2. Well No. 16-21
Sec. 16, T. 21S. R. 15W.
MILLARD COUNTY, UTAH
3. Well No. 16-34
Sec. 16, T. 15S. R. 1E.
JUAB COUNTY, UTAH
4. Well No. 26-2
Sec. 26, T. 2N. R. 6E.
SUMMIT COUNTY, UTAH
5. Well No. 36-22
Sec. 36, T. 23S. R. 18W.
MILLARD COUNTY, UTAH

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Location		5. LEASE DESIGNATION AND SERIAL NO. U-11146	
2. NAME OF OPERATOR American Quasar Petroleum		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a	
3. ADDRESS OF OPERATOR 204 Superior Bldg., 201 N. Wolcott, Casper, Wy. 82601		7. UNIT AGREEMENT NAME Chicken Creek	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1056' FSL, 2982' FWL		8. FARM OR LEASE NAME Federal	
14. PERMIT NO.		9. WELL NO. 16-34	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6463' GR (surveyed)		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 16, T15S, R1E	
		12. COUNTY OR PARISH	13. STATE

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) Monthly report of operations <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is a monthly report of operations for period 3/1/81 - 3/31/81

(please see attached chronological report)

RECEIVED

APR 8 1981

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John F. Sindelar

TITLE Division Dir'lq. Supt.

DATE 3/31/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK FED 16-34 3/27/81 98 days. Drlg @ 8064', drld 19' in 6½ hrs. Drlg w/
(16,500' Deseret-WC) wtr w/no returns. Bit #RR28 (12¼" Security H100, s/n 967596)
Juab Co., Utah in @ 8045', bit has drld 19' in 6½ hrs. Fin logging for
Chicken Creek Prosp. Schlumberger, ran DLL & Dipmeter, TD-1900', could not get temp.
survey. Fluid level of hole 730'. Drlg wt 40M#; RPM 50.

CHICKEN CREEK FED 16-34 3/28/81 99 days. TD 8090', drld 26' in 7½ hrs. Unloading csg.
(16,500' Deseret-WC) Bit #RR28 has drld 45' in 14 hrs. Now SD unloading csg, cannot
Juab Co., Utah get wtr trucks on location while unloading csg trucks. Now
Chicken Creek Prosp. prep to run 9-5/8" csg.
3/29/81 100 days. Plg wear-ring & RU csg tongs. Fin unloading
csg, mxd & sptd 300 bbls of 90 vis mud, POH, now plg wear-ring & RU csg crew prep to run
9-5/8" csg.

CHICKEN CREEK FED 16-34 3/30/81 101 days. TD 8090', ran 9-5/8" csg, now cmtg, no
(16,500' Deseret-WC) report.
Juab Co., Utah
Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 3/31/81 102 days. TD 8090', NU & press tst BOPE, Fin WOC, ND
(16,500' Deseret-WC) BOP, set slips w/165M hung wt, install spool, press tst to 5M psi
Juab Co., Utah NU BOP, now fin NU & press tst.
Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 3/14/81 85 days. Drlg @ 7070', drld 100' in 16 hrs w/wtr.
 (16,500' Deseret-WC) Survey: 1-3/4° @ 6965'. Bit #24 has drld 102' in 18 hrs.
 Juab Co., Utah Had drlg break from 7042-70'. Drlg wt 30M#; RPM 65.
 Chicken Creek Prosp. 3/15/81 86 days. Drlg @ 7232', drld 162' in 15½ hrs. Drlg
 w/wtr w/o returns. Survey: 1¼° @ 7133'. Bit #24 has drld
 264' in 34 hrs. Drlg wt 35M#; RPM 65.

CHICKEN CREEK FED 16-34 3/16/81 87 days. Drlg @ 7338', drld 106' in 15 hrs. Drlg w/
 (16,500' Deseret-WC) wtr, no returns. Survey: 1¼° @ 7216'. Bit #24 has drld 370' in
 Juab Co., Utah 49 hrs. Drlg wt 35M#; RPM 65.
 Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 3/17/81 88 days. Drlg @ 7408', drld 70' in 6½ hrs. Drlg w/
 (16,500' Deseret-WC) wtr w/no returns. Pld bit #24 @ 7347', bit drld 379' in 50 hrs.
 Juab Co., Utah Dull grade: 5-4-3/8". Ran bit #25 (12¼" Security M89TF, s/n
 Chicken Creek Prosp. 969353) in @ 7347', bit has drld 61' in 5½ hrs. Twst off while
 drlg @ 7347', POH, PU OS & jars, TIH, engaged fish, POH, LD
 fish & fsh tool, trpd back to btm with bit #25. Drlg wt 35M#; RPM 65.

CHICKEN CREEK FED 16-34 3/18/81 89 days. Drlg @ 7516', drld 108' in 11 hrs w/wtr.
 (16,500' Deseret-WC) Survey: 1° @ 7436'. Drlg wt 35M#; RPM 55-65.
 Juab Co., Utah
 Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 3/19/81 90 days. Wsh & rmg to btm @ 7557', drld 41' in 9 hrs
 (16,500' Deseret-WC) w/wtr. Survey: 1° @ 7501', pld bit #25, bit drld 210' in 25½
 Juab Co., Utah hrs. Cond: 5-3-3/8". Ran bit #26 (12¼" Reed FP53, s/n 347098)
 Chicken Creek Prosp. Now wsh & rmg to btm.

CHICKEN CREEK FED 16-34 3/20/81 91 days. Drlg @ 7681', drld 124' in 20½ hrs w/wtr.
 (16,500' Deseret-WC) Wsh & rmd 60' to btm, drlg w/o returns. Bit #26 has drld 124'
 Juab Co., Utah in 20½ hrs. Drlg wt 35M#; RPM 50.
 Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 3/21/81 92 days. Drlg @ 7768', drld 87' in 16 hrs. Survey:
 (16,500' Deseret-WC) ¼° @ 7612'. Bit #26 has drld 211' in 36½ hrs. Drlg wt 35M#;
 Juab Co., Utah RPM 50. Drlg w/o returns.
 Chicken Creek Prosp. 3/22/81 93 days. Drlg @ 7827', drld 59' in 14 hrs. Pld bit
 #26 @ 7794', bit drld 237' in 44½ hrs. Cond: 7-3-½". Ran bit
 #27 (12¼" Security N89TF, s/n 956302) bit has drld 33' in 6 hrs. Survey: 1° @ 7754'.
 Drlg w/o returns.

CHICKEN CREEK FED 16-34 3/23/81 94 days. Drlg @ 7920', drld 93' in 17½ hrs. Drlg w/
 (16,500' Deseret-WC) wtr w/o returns. Survey: 3/4° @ 7868'. Bit #27 has drld 126'
 Juab Co., Utah in 23½ hrs. Drlg wt 40M#; RPM 50.
 Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 3/24/81 95 days. Drlg @ 7988', drld 68' in 16½ hrs. Drlg
 (16,500' Deseret-WC) w/wtr w/o returns. Bit #27 has drld 194' in 40 hrs. Drlg
 Juab Co., Utah 40M#; RPM 50.
 Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 3/25/81 96 days. Drlg @ 8022', drld 34' in 9½ hrs. Drlg
 (16,500' Deseret-WC) w/wtr w/o returns. Pld bit #27 @ 8019', bit drld 225' in
 Juab Co., Utah 49 hrs. Cond: 7-3-½". Ran bit #28 (12¼" Security H100, s/n
 Chicken Creek Prosp. 967596) bit has drld 3' in ½ hr. Survey: 1-3/4° @ 7970'. Drlg
 wt 40M#; RPM 50.

CHICKEN CREEK FED 16-34 3/26/81 97 days. TD 8039', rng electric logs. Drld 17' in
 (16,500' Deseret-WC) 3½ hrs w/wtr. Short tripped, sptd 300 bbls mud on btm, TOH,
 Juab Co., Utah SLM correction from 8039-8046'. RU Schlumberger, run Sonic,
 Chicken Creek Prosp. Gamma Ray, FDC, & CNL. Now rng DLL.

CHICKEN CREEK FED 16-34 3/5/81 76 days. TD 6837', att to regain circ. MW 8.6; vis
(16,500' Deseret-WC) 45; WL 10; pH 8.5. Mxd 100 sx diesel gel squeeze, followed
Juab Co., Utah by 100 sx Class G, 3% CaCl₂, 30% Cal-Seal, Tuf-Plug, 25#
Chicken Creek Prosp. Gilsonite, Flocele & fiber. Pld 10 stands clear pipe, found
fluid top @ 820'. WOC, tagged fluid @ 894', could not regain
returns, TIH open ended, mxd 300 sx sawdust & wtr, spot, PO of lost circ zone, clear
pipe, now prep to run Baroid Polymer plug.

CHICKEN CREEK FED 16-34 3/6/81 77 days. TD 6837', prep to inject sd into lost circ
(16,500' Deseret-WC) zone. MW 8.6; vis 45; WL 14; pH 8.5. Cld pits, mxd 60 sx
Juab Co., Utah of Baroid Polymer A, followed by 60 sx of Baroid Polymer B,
Chicken Creek Prosp. sptd plug @ 6807', pld 5 stands, WO plug. Ran back to btm,
pmpd 250 sx Class G w/12% Cal-Seal, 3% CaCl₂, 3# Tuf-Plug,
25# Gilsonite, 1/8# Flocele; 1/8# fiber per sx. Cleared pipe, pld 10 stands, tagged
fluid top @ 830', WOC, tagged fluid top @ 830', filled hole w/150 bbls mud, hole be-
gan taking fluid, now prep to spt sd plug.

CHICKEN CREEK FED 16-34 3/7/81 78 days. Fighting lost circ @ 6837'. MW 8.6; vis 45;
(16,500' Deseret-WC) WL 12; pH 8.5. WO Halliburton, RU, staged 100 sx 20/40 sd,
Juab Co., Utah displ w/wtr, pmpd 2nd 100 sx sd, displ w/wtr, pmpd 3rd stage
Chicken Creek Prosp. 100 sx sd displ w/wtr, no fill up. WO sd.
3/8/81 79 days. TD 6837'. Fighting lost circ. WO Halliburton,
staged sd @ 200 sx per stage, ran 1600 sx of sd w/o fill up, now pmpg sd.

CHICKEN CREEK FED 16-34 3/9/81 80 days. TD 6837', att to regain circ. MW 8.6; vis 45;
(16,500' Deseret-WC) WL 10; pH 8.5. WO sd trucks, pmpd 400 sx sd, tagged btm @ 6837',
Juab Co., Utah no pill. WO Halliburton, pmpd 300 beer cans & 300 beer bottles
Chicken Creek Prosp. down DP, no fill, pmpd 16 yds of 1 1/2" gravel down DP w/no fill,
now prep to follow w/2000 sx of sd.

CHICKEN CREEK FED 16-34 3/10/81 81 days. Packing swivel, TD 6855'. Drld 18' in 3 1/2
(16,500' Deseret-WC) hrs. Drlg w/wtr w/o returns. Staged 2000 sx of sd in hole,
Juab Co., Utah hole did not bridge, followed w/125 sx of cmt, POH, PU bit
Chicken Creek Prosp. #RR22 (12 1/4" Security M89TF, s/n 969535) TIH @ 6837', bit has
drld 18' in 3 1/2 hrs. Drlg w/ro returns, fluid level stabilized
@ 625'. Drlg wt 15M#; RPM 45.

CHICKEN CREEK FED 16-34 3/11/81 82 days. Trp for bit @ 6881', drld 26' in 9 hrs.
(16,500' Deseret-WC) Drlg w/wtr, pld bit #RR22 @ 6881', bit drld 44' in 12 1/2 hrs.
Juab Co., Utah Dull grade: 6-5-1/8". Ran bit #23 (12 1/4" Security DMM, s/n
Chicken Creek Prosp. 910009) in @ 6881'. Now trp to btm.

CHICKEN CREEK FED 16-34 3/12/81 83 days. Drlg @ 6921', drld 40' in 5 hrs. Drlg w/
(16,500' Deseret-WC) wtr. Survey: 2 1/2" @ 6857'. Bit #23 has drld 40' in 5 hrs.
Juab Co., Utah Fin TIH, drld to 6900', twst off DP, POH, PU OS, TIH, engaged
Chicken Creek Prosp. fish, pmp, wkd fish free, POH, LD fish & fsg tools, Trp back to
btm, now drlg w/bit #23. Drlg wt 40M#; RPM 60.

CHICKEN CREEK FED 16-34 3/13/81 84 days. Drlg @ 6970', drld 49' in 13 1/2 hrs. Drlg
(16,500' Deseret-WC) w/wtr. Bit #23 was pld @ 6968', bit drld 37' in 16 hrs.
Juab Co., Utah Dull grade: 8-4-1/8", cored out in center. Ran bit #24 (12 1/4"
Chicken Creek Prosp. M89TF Security, s/n 969323) in @ 6968', bit drld 2' in 2 1/2 hrs.
Drld wt 10M#; RPM 60. Drlg w/o returns.

3/1/81 72 days. TD 6837', RU Halliburton prep to set flow check plug. POH, LD plugged DP, PU replacement pipe, trip to btm, att to break circ w/o success, spot 300 bbl drlg mud w/45% LCM, no fluid buildup, now prep to set Halliburton flow check plug.

CHICKEN CREEK FED 16-34 3/2/81 73 days. TD 6837', att to circ. MW 8.6; vis 47; (16,500' Deseret-WC) WL 26; pH 8.5. LCM 45%. Ran 2 high concentration LCM sweeps Juab Co., Utah w/o success, RU wireline unit, establish fluid level @ 1125' Chicken Creek Prosp. RU Howco, ran 2000 gal flow check followed by 200 sx cmt, POH, WOC 8 hrs. Att to fill hole w/o success, spot high concentration LCM pill, did not regain returns, now prep to run 2nd flow check job.

CHICKEN CREEK FED 16-34 3/3/81 74 days. TD 6837', TOH after sptg plug. MW 8.6; vis 45; WL 10; pH 8.5. SD to build volume, TIH, pmpd 300 bbl LCM (16,500' Deseret-WC) pill followed by 400 bbls mud, TOH, ran wireline, found top of Juab Co., Utah fluid @ 995', TIH open ended, pmpd 2000 gal flow check plug, Chicken Creek Prosp. followed by 150 sx of Thixotropic cmt, pld 15 stands, clear pipe, POH, ran wireline fluid measurement, found fluid @ 830'. WO cmt, built fluid volume, pmpd 170 bbls in top, ran wireline, found top of fluid @ 930'. Spt 140 sx LCM pill, found fluid top @ 940', sptd 100 sx cmt, 12% Cal-Seal, 3% CaCl₂, 3# fiber, 25# Gilsonite, 3# Tuf plug per sx, pld 10 stands clear pipe, now TOH. Wireline top of fluid 890'.

CHICKEN CREEK FED 16-34 3/4/81 75 days. TD 6837', att to regain circ. MW 8.6; vis 45; (16,500' Deseret-WC) WL 10; pH 8.5. Fin WO cmt, build volume, chkd top of fluid, Juab Co., Utah found fluid @ 912', pmpd 150 bbls mud, top of fluid remained Chicken Creek Prosp. same, RIH open ended, WO Halliburton, spt 200 sx of Thixotropic cmt w/12% Cal-Seal, 3% CaCl₂, 25# Tuf-Plug, 12# Gilsonite, 1/8# Flocele, 1/8# fiber per sx. TOH, 10 stands clear DP, chkd fluid level, found fluid @ 880'. WO cmt, pmpd 150 bbls fluid down annulus, found top of fluid @ 850', TIH open ended, could not circ, now RU Halliburton, prep to run diesel gel squeeze.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Location		5. LEASE DESIGNATION AND SERIAL NO. U-11146
2. NAME OF OPERATOR American Quasar Petroleum		6. IF INDIAN, ALLOTTED OR TRIBE NAME n/a
3. ADDRESS OF OPERATOR 204 Superior Bldg., 201 N. Wolcott, Casper, WY. 82601		7. UNIT AGREEMENT NAME Chicken Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Federal
1056' FSL, 2982' FWL		9. WELL NO. 16-34
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6463' GR (surveyed)	10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T15S, R1E
		12. COUNTY OR PARISH 13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Monthly report of operations <input checked="" type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is a monthly report of operations for period 4/1/81 - 4/30/81
(please see attached chronological report)

MAY 4 1981
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED John F. Sindelar TITLE Division Dir. Supt. DATE 4/30/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK FED 16-34 4/27/81 129 days. Drlg Ankareh @ 9168', drld 70' in 13 hrs.
(16,500' Deseret-WC) MW 8.6; vis 53; WL 7.2; pH 10. Survey: 5½° @ 9140', pld bit
Juab Co., Utah #36 @ 9092', bit drld 83' in 17½ hrs. Cond: 7-6-1/16. Ran bit
Chicken Creek Prosp. #37 (8½" Security DSJ s/n 949831) bit has drld 76' in 13 hrs.
Drlg wt 50M#; RPM 38.

CHICKEN CREEK FED 16-34 4/28/81 130 days. Drlg Ankareh, slt & anhy @ 9218', drld 50'
(16,500' Deseret-WC) in 12 hrs. MW 8.7; vis 50; WL 7.8; pH 10.5. Survey: 5½° @ 9202'.
Juab Co., Utah Pld bit #37 @ 9202', bit drld 110' in 22½ hrs. Dull grade:
Chicken Creek Prosp. 8-7-1/8. Ran bit #38 (8½" Security DSJ s/n 94828?) in @ 9202',
bit has drld 16' in 2½ hrs. Drlg wt 45M#; RPM 38.

CHICKEN CREEK FED 16-34 4/29/81 131 days. TIH w/bit #40 @ 9225', drld 7' Ankareh sh
(16,500' Deseret-WC) & ss in 6½ hrs. MW 8.6; vis 44; WL 6.4; pH 10.5. Survey: 5-3/4°
Juab Co., Utah @ 9225'. Pld bit #38 @ 9219', bit drld 17' in 6½ hrs. Dull
Chicken Creek Prosp. grade: 8-3-I. Had small piece of cone missing approx size of
silver dollar. Ran bit #39 (8½" Reed S21GJ s/n 640999) in @
9219', out @ 9225', bit drld 6' in 3 hrs. Rec several small pieces of junk in JB.
Dull grade: 3-2-I. Ran bit #40 (8½" Reed FP51 s/n 649505) now TIH @ 9225'.

CHICKEN CREEK FED 16-34 4/30/81 132 days. TIH w/bit #40 @ 9249', drld 24' in 12 hrs.
(16,500' Deseret-WC) MW 8.5; vis 42; WL 8; pH 11. Survey: 5-3/4° @ 9249'. Bit #40
Juab Co., Utah in @ 9225', was pld @ 9249' to ck cond of bit, Trp back in hole
Chicken Creek Prosp. w/bit #40, bit has drld 24' of Ankareh sh in 12 hrs. Drlg wt
10M#; RPM 60.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/15/81 117 days. TD 8230', drld 70' of Nugget ss in 16½ hrs. RU Dresser to run Bond log. MW 8.5; vis 42; WL 12; pH 10. Survey: 1-3/4° @ 8230'. Bit #30 was pld @ 8230', bit drld 137' in 30½ hrs. Electric log top of Nugget @ 938', RU Dresser to run Bond log.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/16/81 118 days. Drlg Nugget ss @ 8304', drld 74' in 12 hrs. MW 8.7; vis 37; WL 10.8; pH 11. Survey: 2½° @ 8294'. Bit #30 has drld 211' in 42½ hrs. Ran Bond log, had good bond from 8090-6920', partial bond 6840-6860', good bond 6748-6780', free pipe 4650-6748', partial bond 3150-4650', good bond 2000-3150', TIH w/bit #30 after rng bond log. Drlg wt 40M#; RPM 50.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/17/81 119 days. Drlg Ankareh sh & silt. @ 8373', drld 69' in 14½ hrs. Bit #30 was pld @ 8351', bit drld 258' in 53½ hrs. Dull grade: 6-4-½". Ran bit #31 (8½" Security M89TF s/n 973527) in @ 8351', bit has drld 22' in 3½ hrs. Drlg wt 40M#; RPM 50.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/18/81 120 days. Trp for bit @ 8462', drld 89' of Ankareh in 14½ hrs. Pld bit #31 @ 8462', bit drld 111' in 18 hrs. Dull grade: 2-2-I. Bit would not drl. Ran bit #32 (8½" Reed FP52 s/n 299969) now TIH @ 8462'.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/19/81 121 days. Drlg Ankareh @ 8596', drld 134' in 19 hrs. Survey: 3½° @ 8491'; 3½° @ 8585'. Bit #32 in @ 8462' has drld 134' in 19 hrs. Drlg wt 35M#; RPM 60.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/20/81 122 days. TIH w/bit #33 @ 8653', drld 57' in 13½ hrs. MW 8.8; vis 50; WL 4.8; pH 10. Survey: 4° @ 8653'. Bit #32 was pld @ 8653', bit drld 192' in 32½ hrs. Dull grade: 3-2-I. Ran bit #33 (8½" Smith F4 s/n BK3694) now trp in @ 8653'.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/21/81 123 days. Drlg Ankareh sh & silt. @ 8764', drld 111' in 19½ hrs. MW 8.8; vis 61; WL 4.5; pH 10.5. Survey: 4° @ 8669'; 4-3/4° @ 8700'; 4½° @ 8730'. Fin TIH w/bit #33 in @ 8653', bit has drld 111' in 19½ hrs. Drlg wt 55M#; RPM 35.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/22/81 124 days. Drlg @ 8823', drld 59' Ankareh silt. in 14½ hrs. MW 8.8; vis 53; WL 6.4; pH 10.5. Survey: 5½° @ 8761', 5° @ 8792'.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/23/81 125 days. Drlg Ankareh sh & ss @ 8850', drld 57' in 16 hrs. MW 8.8; vis 44; WL 7.2; pH 11. Survey: 5° @ 8820'. Addendum to 4/22/81 report: Pld bit #33 @ 8813', bit had drld 160' in 30 hrs. Dull grade: 7-4-1/8". Ran bit #34 (8½" Security M89TF s/n 813611) in @ 8813', bit had drld 10' in 4 hrs. Bit #34 now has drld 36' in 13 hrs. Pld bit @ 8849'. Dull grade: 3-2-I. Ran bit #35 (8½" Reed FP52 s/n 432485) in @ 8849', bit has drld 34' in 7 hrs. Drlg wt 30M#; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/24/81 126 days. Drlg Ankareh sh @ 8936', drld 59' in 8½ hrs. MW 8.6; vis 47; WL 5.8; pH 11. Survey: 5½° @ 8924'. Drlg wt 50M#; RPM 35.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 4/25/81 127 days. TD 9009', TIH, drld 70' in 12 hrs. Lost DP press @ 9009', TOH, found wshd out jet in bit #35. Bit #35 drld 160' in 27½ hrs. Cond: 3-2-I. Ran bit #36 (8½" Security DSJ s/n 949827) 4/26/81 128 days. Drlg in Ankareh @ 9091', drld 82' in 17 hrs. Survey: 5½° @ 9019'; 5½° @ 9051'. Bit #36 has drld 82' in 17 hrs. Drlg wt 45M#; RPM 35-4

CHICKEN CREEK FED 16-34 4/6/81 108 days. TD 8090', material from Halliburton, (16,500' Deseret-WC) sptd dog squeeze, 50% gel, 50% cmt as follows: Pmpd 10 bbls Juab Co., Utah caustic wtr, 5 bbls diesel, 15 bbls slurry, 5 bbls diesel, 15 Chicken Creek Prosp. bbls slurry, 10 bbls diesel, displaced w/113 bbls wtr. Pmpd @ 5 bbls per min for 70 bbls, 1 bbl per min for 23 bbls. SI 1½ hrs. Displaced 20 bbls @ 1 bbls per min, pmpd 7½ bbls, press up, broke down to 450 psi, displaced @ 100 psi for remainder of squeeze. WO squeeze, press test to 1200 psi. Now TIH w/bit to drl squeeze, if squeeze holds will come up hole, perf & cmt to surface.

CHICKEN CREEK FED 16-34 4/7/81 109 days. TD 8090', POH w/plugged DP. Drld cmt, press (16,500' Deseret-WC) tst perfs, leaked off @ 1000 psi, mx & spt 26 sx Class G w/12% Juab Co., Utah Cal-Seal, 3% CaCl₂, squeezed w/no press incr, WOC, att to fill Chicken Creek Prosp. annulus w/o success. Mx & spt Polymer plug, now POH w/plugged DP.

CHICKEN CREEK FED 16-34 4/8/81 110 days. Rep RTTS. TD 8090'. TOH w/plugged string, (16,500' Deseret-WC) cleaned Polymer out of DP, TIH w/RTTS, set packer, could not Juab Co., Utah pressure up. Moved packer up & down hole, RTTS would not hold, Chicken Creek Prosp. POH, now rep RTTS.

CHICKEN CREEK FED 16-34 4/9/81 111 days. TD 8090', TIH w/RTTS packer, TIH, set packer (16,500' Deseret-WC) @ 6740', broke circ, mix & pmp DOG pill, displ 19 bbls, press Juab Co., Utah incr to 2000 psi. Rls packer, displ remaining DOG out of DP, Chicken Creek Prosp. pull 6 stands, close pipe rams, press to 2000 psi for 20 min. POH w/RTTS, PU DC's & bit #29 (8½" Security S35J s/n 216260) TIH, wsh & rm 855' of DOG & Polymer, circ csg clean, press to 1200 psi, drpd to 300 psi. Spt 10 bbls caustic wtr across perfs, perfs cleared, circ thru perfs, POH, PU RTTS, now TIH to set packer.

CHICKEN CREEK FED 16-34 4/10/81 112 days. TD 8090', WO materials. TIH w/RTTS, set @ (16,500' Deseret-WC) 6546', mxd 500 sx Class G + 3% CaCl₂, displ 100 sx thru perfs, Juab Co., Utah WOC 10 min, began staging 100 sx & waiting 20 min between Chicken Creek Prosp. stages. After final stage, att to press up against perfs, perfs took 3 bbls per min @ 1000 psi. Mxd 30 bbls DOG plug w/1 sk per bbl cmt, followed w/70 bbls DOG plug w/2 sx per bbl cmt. Staged thru perfs & WOC 3 hrs. Could not press up against perfs, now WO additional materials.

CHICKEN CREEK FED 16-34 4/11/81 113 days. TD 8090'. WOC. RU & mx 100 bbls Flocheck, (16,500' Deseret-WC) pmp down DP, mx & pmp 250 sx Class G + 2% CaCl₂, followed w/ Juab Co., Utah 750 sx Class G w/18% salt, displ cmt down annulus while displ Chicken Creek Prosp. Flocheck down DP. Now WOC.

4/12/81 114 days. TD 8090', WOC. Press tst csg w/sm press incr, WO materials, mx 700 sx Class G + 3% CaCl₂ + 10# Gilsonite + 1# Flocele, pmpd down 9-5/8" annulus, began displ @ 6 BPM w/600 psi, decr to 4½ BPM @ 600 psi, mxd 300 sx Class G + 3% CaCl₂ + 10# Gilsonite + 1# Flocele, pmpd down DP, displ w/110 bbls wtr, press incr to 2200 psi @ 4 BPM, SD 10 min, press let off, displ 10 bbls @ 2 BPM w/no press incr. SI DP, now WOC.

CHICKEN CREEK FED 16-34 4/13/81 115 days. Drlg @ 8092', drld 2' in 1 hr. MW 8.8; vis (16,500' Deseret-WC) 38. WOC, tst 9-5/8" csg thru DP to 400 psi w/no leak off, press Juab Co., Utah annulus to 600 psi w/slow leak, POH, LD RTTS, PU bit #29 (8½" Chicken Creek Prosp. Security S35J s/n 216260) TIH, tagged cmt @ 6092', drld cmt, TIH to 8090', now drlg.

CHICKEN CREEK FED 16-34 4/14/81 116 days. Drlg Nugget ss @ 8160', drld 68' in 15 hrs. (16,500' Deseret-WC) MW 8.5; vis 35; WL 20; pH 10.5. Survey: 1-3/4" @ 8139'. Pld Juab Co., Utah bit #29 @ 8093', bit drld 3' in 2 hrs. Dull grade: 7-4-I. Ran Chicken Creek Prosp. bit #30 (8½" Security H100F s/n 970938) in @ 8093', bit has drld 67' in 14 hrs. Drlg wt 40M#; RPM 50.

CHICKEN CREEK FED 16-34 4/1/81 103 days. TD 8090', drld cmt. Fin NU BOPE, press tst
(16,500'Deseret-WC) BOPE to 5000 psi, Hydril to 2000, PU 21 DC's, ran bit #29 (8½"
Juab Co., UTAH Security S3SJ s/n 216260). TIH, drld DV collar, now drlg float
Chicken Creek Prosp. shoe.

CHICKEN CREEK FED 16-34 4/2/81 104 days. TD 8090', RU Howco for diesel gel squeeze.
(16,500'Deseret-WC) Drld cmt, POH, ran Bond log w/Dresser Atlas, had good cmt from
Juab Co., Utah TD to 6910', RU & perf csg 1 shot per ft from 6750-54'. Att
Chicken Creek Prosp. to fill csg, could not establish returns, now rng diesel oil get
squeeze, will follow w/cmt.

CHICKEN CREEK FED 16-34 4/3/81 105 days. Drlg cmt @ 8090', fin sptg 30 bbl dog
(16,500'Deseret-WC) squeeze, wait 3 hrs, followed by 100 sx Class G, left 1 bbl
Juab Co., Utah in 9-5/8, WOC 10 hrs, ck perms w/2000 psi, unseat pkr, let
Chicken Creek Prosp. fluid equalize, chain out, LD RTTS, PU bit, 2 stands DC's,
TIH, tagged cmt @ 6700', now drlg cmt.

Addendum to 3/30/81 report: Ran 188 jts 9-5/8" csg as follows:

71 jts	43.5#	SS95	LTC	3054.04'
95 jts	40	#	SS95	LTC 4098.76'
22 jts	43.5#	SS95	LTC	1008.71'
Total				8161.51'

Set @ 8078.85' KB w/DV tool @ 6753'; FC @ 8031.45'; shoe @ 8078.85'. Cmt as follows:
700 sx Class G w/0.75% CFR2; ¼#/sk flocele; 0.3% HR4, PD @ 7:11 pm 3/29/81. 2nd Stage:
500 sx HLC, 10#/sk Gilsonite; ¼#/sk Flocele, PD @ 2:25 am 3/30/81. Apparently no fill
up on 2nd Stage. Now WOC.

CHICKEN CREEK FED 16-34 4/4/81 106 days. TD 8090', RU Halliburton att to squeeze
(16,500'Deseret-WC) 9-5/8" @ 6754'. Drld cmt, circ btms up, ran Dresser Bond log
Juab Co., Utah w/no fill indicated. Broke circ w/1100 psi, WO Halliburton,
Chicken Creek Prosp. PU RTTS, TIH, now prep to set diesel gel squeeze @ 6754'.

4/5/81 107 days. Set diesel gel squeeze, WO squeeze, no results
Set packer @ 6630', squeeze flow-check squeeze, staged in hole, WOC flow-check, press up,
no fill-up. Ran 2nd flow-check squeeze followed by 100 sx class G cmt, WO cmt, press test
9-5/8, did not get squeeze. Now RU to run diesel gel squeeze.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Location		5. LEASE DESIGNATION AND SERIAL NO. U-11146
2. NAME OF OPERATOR American Quasar Petroleum		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a
3. ADDRESS OF OPERATOR 204 Superior Bldg., 201 N. Wolcott, Casper, WY. 82601		7. UNIT AGREEMENT NAME Chicken Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Federal
1056' ESL, 2982' FWL		9. WELL NO. 16-34
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether LF, RT, GR, etc.) 6463' GR (surveyed)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T15S, R1E
		12. COUNTY OR PARISH 13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUCCESSFUL REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Monthly report of operations <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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This is a monthly report of operations for period May 1, 1981 - May 31, 1981

(Please see attached chronological report)

RECEIVED
JUN 4 1981DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED John F. Sindelar TITLE Division Dirg. Supt. DATE 5/30/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CRK. FED. 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Crk. Prosp.

5-21-81 153 days. TD 9940' PBL 562' picking up directional tools. MW 8.7' vis 46; WL 7.6; pH 12.5. Finished WOC, pressure test stack & manifold to 5000 PSI, TIH dressed off cement to 9662'. Circ & cond hole, POH, now picking up directional tools prepare to kick hole to the low side.

CHICKEN CREEK FED 16-34
(16,500' Weeks-WC)
Millard Co., Utah
Antelope Valley Prosp.

5-22-81 154 days. Drlg Ankareh sh @ 9684', drld 22' in 16 hrs. Drlg w/Navi Drill & bent sub. MW 8.7; vis 50; WL 6.4; pH 12.5. Survey: 6.3°S57E @ 9684'. PU monel drill collar, 2° bent sub, and Navi Drill. Ran Bit #43 (8-1/2" Christensen MD411ST s/n IW4922). In at 9662', bit has drld 22' in 16 hrs. Drlg wt 1000 RPM 300. Attempting to control angle w/directional drlg assembly

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/23/81 155 days. Drlg red sh @ 9707', drld 23' w/Navi-Drill in 24 hrs. Bit #43 has drld 45' in 40 hrs. Survey: 5 1/2°S57°E @ 9707'. Drlg assy consists of diamond bit, Navi-Drill, 2° Bent sub, kick-off point 9688'. Drlg wt 1M#; RPM 300.

5/24/81 156 days. Rep rig, TD 9742', drld 35' of Ankareh in 11 hrs. Survey: 3°S61°E @ 9692'. Pld bit #43 @ 9742', bit drld 80' in 51 hrs, in good shape. LD Bent sub, Trp back in hole w/Navi-Drill & bit #44 (8 1/2" Security M84F s/n 966292) Now rep rig before leaving btm of csg.

5/25/81 157 days. POH w/bit #44 @ 9811', bit drld 69' in 15 hrs. Survey: 3°S63°E @ 9749'; 4 1/2°S70°E @ 9775'. Bit #44 has drld 69' in 15 hrs. Now POH to PU Bent sub & diamond bit.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/26/81 158 days. Wshg & rmng to btm w/bit #45. TD 9811'. MW 8.7; vis 49; WL 7.2; pH 11.5. Ran bit #45 (8 1/2" Security S3SJ s/n 998893) in @ 9811'. TOH w/Navi-Drill, left bearings & spearpoint in hole, TIH w/magnet rec 1 spearpoint, numerous bearings, now TIH w/bit & jnk sub.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/27/81 159 days. Drlg w/Navi-Drill & Bent sub @ 9826', drld 15' in 11 hrs. MW 8.6; vis 46; WL 7.2; pH 11.5. Survey: 4 1/2°S73°E @ 9790'. TIH w/bit #45 in @ 9811', wkd jnk sub, drld 2' in 3 hr POH. Dull grade: 3-3-1. Rec numerous bearings, small pieces of jnk in jnk sub. PU Navi-Drill, 1 1/2° Bent sub & bit #RR43 (8 1/2" Christensen MD411ST s/n IW4922) in @ 9813', bit has drld 13' in 8 hrs. Drlg red sh, silt w/trace of igneous sill. Drlg wt 5M#; RPM 320.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/28/81 160 days. Drlg Nugget ss @ 9860', drld 34' in 11 1/2 hrs. drlg w/Navi-Drill. MW 8.7; vis 47; WL 7.2; pH 11.5. Survey: 3-3/4°S70°E @ 9811'. Bit #RR43 has drld 47' in 19 1/2 hrs. S/T Nugget 9840'. Drlg wt 5M#; RPM 320.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/29/81 161 days. TIH w/bit #46 @ 9897'. Drld 37' in 14 hrs. Nugget ss. MW 8.6; vis 41; WL 7.2; pH 12. Survey: 2 1/2°S75°E @ 9857'. Pld bit #RR43 @ 9897', bit drld 84' in 43 1/2 hrs. Face diamonds good cond, out of gauge 1/2". Ran bit #46 (8 1/2" Christensen MD411ST s/n IW4910) Now wshg to btm @ 9897'.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/30/81 162 days. TD 9897'. Rmg to btm. TIH w/bit #46, plgd bit, POH, LD Navi-Drill, PU pkd hole assy, TIH w/bit #47 (8 1/2" Sec. H100F s/n 971153) now rmng @ 9882'.

5/31/81 163 days. Rng survey @ 9972', drld 75' of Nugget ss in 19 hrs. Survey: 2°N86°E @ 9880'; 2°N87°E @ 9912'. BGG trace Trip gas 0. Bit #47 has drld 75' in 19 hrs. Drlg wt 30M#; RPM 45.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/8/81 140 days. Drlg Ankareh @ 768', drld 38' in 6 hrs.
MW 8.7; vis 45; WL 6; pH 9. Survey: 8½° @ 9478'; 8½° @ 9755'.
Bit #RR34 has drld 133' in 23½ hrs. Chng out pendulum from
47' to 60'. Drlg wt 35M#; RPM 40.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/9/81 141 days. Drlg Ankareh @ 9863', drld 95' in 20 hrs.
Survey: 9½° @ 9772'; 10° @ 9803'; 10-3/4° @ 9835'. Bit #RR34
has drld 228' in 46½ hrs. Varied drlg wt from 10M# to 55M#;
varied RPM from 35 to 90. Could not control deviation. Drlg
wt 10M#; RPM 70.

5/10/81 142 days. Drlg cmt @ 9430', PBD 9300'. Pld bit #RR34
@ 9863', bit drld 228' in 43½ hrs. Dull grade: 8-5-1. TIH open-ended, sptd 350 sx Class
G plug, POH, PU bit @ DC's, TIH, tagged cmt @ 9300', now dressing off plug prep to straight
hole Dyna-drill.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/11/81 143 days. Time drlg @ 9638', drld 5' in 5½ hrs. MW
8.8; vis 59; WL 6.8; pH 12.5. Fin dressing off cmt plug to 9633',
POH, PU Bit #42 (8½" Christensen MD441ST s/n OW4127) & Navi-Drill,
TIH, began time drlg @ 9633'. Now att to straighten hole.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/12/81 144 days. Time drlg @ 9668', drld 30' in 23½ hrs.
MW 8.5; vis 43; WL 6.8; pH 11.5. Bit #42 has drld 35' in 29
hrs. Now time drlg @ 2' per hr w/Navi-Drill. Drlg wt 1M#;
RPM 325.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/13/81 145 days. Time drlg @ 9702', drld 40' in 22 hrs. MW
8.5; vis 43; WL 6.8; pH 12. Survey: 5° @ 9642'; 5° @ 9669'.
Bit #42 has drld 75' in 51 hrs. Drlg wt 1M#; RPM 325 w/Navi-
Drill.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/14/81 146 days. Time drlg @ 9755', drld 47' in 22-3/4 hrs.
MW 8.5; vis 42; WL 7.2; pH 11.5. Survey: 5½° @ 9701'. Bit
#42 has drld 122' in 73-3/4 hrs. Time drlg 2'/hr. Drlg wt
approx 1M#; RPM 315.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5/15/81 147 days. Time Drlg @ 9800', drld 45' in 21½ hrs.
MW 8.5; vis 45; WL 6.8; pH 12. Survey: 5½° @ 9732; 6½° @
9763'. Bit #42 has drld 167' in 95 hrs. Time drlg @ 2'/hr.
Drlg wt 1M#; RPM 315.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

5-16-81 148 days. Time drlg Navi-Drill @ 9842' drld 42' of cement
& siltstone in 20-1/2 hrs. Survey: 9795' @ 7-½°. Bit #42 drld 209'
in 115-½ hrs. Drlg wt. 1M# RPM 350.
5-17-81 149 days. Time drlg Navi-Drill @ 9890'. Drld 48' in 22-½
hrs. Survey: 9837' @ 9°. Bit #42 drld 257' in 138 hrs. Drlg wt 1M#

RPM 350.

CHICKEN CRK. FED. 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Crk. Prosp.

5/18/81 150 days. Time drlg at 9934'. Drld. 44' in 21½
hrs. MW 8.7; vis 56; WL 7; pH 10.5. Surveys: 9½° at 9858';
10-3/4° at 9890'. Drlg. wt. 1M#; RPM 350. Bit #42 has drld.
301' in 159½ hrs.

CHICKEN CRK. FED. 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Crk. Prosp.

5-19-81 151 days. Circ & cond hole @ 9940' drld 14' red shale
3-½ hrs. Pulled bit #42 9940' bit drld 307' in 163 hrs.
Attempted to run sonic & dip meter logs would not go below
9840'. Pulled out of hole now cond. Prep. to POH & RR logs.

CHICKEN CRK. FED. 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Crk. Prosp.

5-20-81 152 days. WOC on PB. MW 8.7; vis 42; WL 7.2; pH 12.
Finished circ & cond hole, POH. Logged from 9840' to 8049'.
Ran sonic gamaray & dipmeter. TIH, circ & cond hole, spotted
125 sacks of class G w/5 lbs per sack sand 1% CFR2. POH, now
WOC. Prep to pressure test BOPE

CHICKEN CREEK FED 16-34
 (16,500' Deseret-WC)
 Juab Co., Utah
 Chicken Creek Prosp.

5/1/81 133 days. Drlg Ankareh sh, ss & silt @ 9304', drld 55' in 22½ hrs. MW 8.6; vis 46; WL 7.8; pH 11. Survey: 5-3/4° @ 9267'. Bit #40 has drld 79' in 34½ hrs. Drlg wt 25M#; RPM 60.

CHICKEN CREEK FED 16-34
 (16,500' Deseret-WC)
 Juab Co., Utah
 Chicken Creek Prosp.

5/2/81 134 days. Trp for bit @ 9418', drld 114' in 19 hrs. of Ankareh sh. Bit #40 was pld @ 9418', bit drld 193' in 53½ hrs. Survey: 6° @ 9390', now POH.

5/3/81 135 days. Drlg sh & silt. @ 9455', drld 37' in 14 hrs. Survey: 6½° @ 9418'. Fin plg bit #40. Dull grade: 7-8-I. Ran bit #41 (8½" Security M84F s/n 966295) in @ 9418', bit has drld 37' in 14 hrs. Drlg wt 24M#; RPM 60.

CHICKEN CREEK FED 16-34
 (16,500' Deseret-WC)
 Juab Co., Utah
 Chicken Creek Prosp.

5/4/81 136 days. Drlg silt. & sh w/dolo stringers @ 9516'. Drld 61' in 22 hrs. MW 8.6; vis 50; WL 6.8; pH 11. Survey: 6½° @ 9461'; 6½° @ 9492'. Bit #41 has drld 98' in 36 hrs. Drlg wt 24M#; RPM 60.

CHICKEN CREEK FED 16-34
 (16,500' Deseret-WC)
 Juab Co., Utah
 Chicken Creek Prosp.

5/5/81 137 days. Drlg Ankareh @ 9549', drld 33' in 13½ hrs. MW 8.6; vis 53; WL 6.8; pH 11. Survey: 5-3/4° @ 9525'. Bit #41 was pld @ 9525', bit drld 107' in 39½ hrs. Dull grade: 5-3-I. Ran bit #RR31 (8½" Security M89TF s/n 973527) in @ 9525', bit has drld 24' in 10 hrs. Drlg wt 25M#; RPM 60.

CHICKEN CREEK FED 16-34
 (16,500' Deseret-WC)
 Juab Co., Utah
 Chicken Creek Prosp.

5/6/81 138 days. Trip. for bit @ 9635', drld 86' in 17 hrs. MW 8.6; vis 42; WL 6; pH 10. Survey: 5-3/4° @ 9551'; 5½° @ 9635'. Pld bit #RR31 @ 9635', bit drld 110' in 27 hrs. Dull grade: 7-4-1/8. Ran bit #RR34 [8½" Security M89TF s/n 903707 (s/n is a corrected # for RR34)]. Now TIH @ 9635'. Formation drld was Ankareh ss.

CHICKEN CREEK FED 16-34
 (16,500' Deseret-WC)
 Juab Co., Utah
 Chicken Creek Prosp.

5/7/81 139 days. Drlg Thaynes sd & silt. @ 9730', drld 95' in 17½ hrs. MW 8.7; vis 49; WL 6; pH 9.5. Survey: 5-3/4° @ 9708'. Fin TIH w/bit #RR34, in @ 9635', bit has drld 95' in 17½ hrs. Drlg wt 55M#; RMP 45. S/T Thaynes 9400'.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Location		5. LEASE DESIGNATION AND SERIAL NO. U-11146
2. NAME OF OPERATOR American Quasar Petroleum		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a
3. ADDRESS OF OPERATOR 204 Superior Bldg., 201 N. Wolcott, Casper, WY. 82601		7. UNIT AGREEMENT NAME Chicken Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Federal
1056' FSL, 2982' FWL		9. WELL NO. 16-34
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether CF, ST, GR, etc.) 6463' GR (surveyed)		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 16, T15S, R1E
		12. COUNTY OR PARISH 13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Monthly report of operations ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion or well
completion or recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and
completion work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones per-

This is a monthly report of operations for period June 1, 1981 - June 30, 1981

(Please see attached chronological report)

18. I hereby certify that the foregoing is true and correct

SIGNED

John F. Sindelar

TITLE Division Dirg Supt.

DATE 6/30/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK FED 16-34 6/23/81 186 days. Drlg @ 11,256', drld 62' Nugget in 20½ hrs.
 (16,500'Deseret-WC) MW 8.7; vis 55; WL 6.4; pH 10. Survey: 1-3/4° @ 11,195'; 2° @
 Juab Co., Utah 11,226'. Bit #56 has drld 78' in 26 hrs. Drlg wt 38M#; RPM 45;
 Chicken Creek Prosp. BGG trace.

CHICKEN CREEK FED 16-34 6/24/81 187 days. Drlg @ 11,352', drld 96' Nugget in 19½ hrs.
 (16,500'Deseret-WC) MW 8.7; vis 61; WL 5.6; pH 10. Survey: 2° @ 11,256'; 1-3/4° @
 Juab Co., Utah 11,319'. Bit #56 has drld 174' in 45½ hrs.
 Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 6/25/81 188 days. Drlg @ 11,383', drld 31' Nugget ss in 9½ hrs.
 (16,500'Deseret-WC) MW 8.6; vis 63; WL 6.4; pH 10. Survey: 1° @ 11,378'. Pld bit
 Juab Co., Utah #56 @ 11,378', bit had drld 200' in 52½ hrs. Dull grade: 8-4-¼".
 Chicken Creek Prosp. Ran bit #57 (8½" Security H100F s/n 971115) in @ 11,378', bit
 has drld 5' in 2½ hrs. Drlg wt 35-40M#; RPM 45.

CHICKEN CREEK FED 16-34 6/26/81 189 days. Drlg @ 11,454', drld 71' Nugget ss in 22 hrs.
 (16,500'Deseret-WC) MW 8.6; vis 55; WL 7.2; pH 10. Survey: 1° @ 11,414'. Bit #57
 Juab Co., Utah has drld 76' in 24½ hrs. Drlg wt 40M#; RPM 45.
 Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 6/27/81 190 days. Trp for bit @ 11,455', drld 1' in 1 hr.
 (16,500'Deseret-WC) Survey: 1° @ 11,455'. Started making trip, became stuck @
 Juab Co., Utah 9804', jarred loose, became stuck @ 9742', jarred, sptd 20 bbls
 Chicken Creek Prosp. diesel, wkd pipe free. POH w/bit #57, bit had drld 77' in 25½
 hrs. Dull grade: 8-5-3/4". Now TIH w/bit.
 6/28/81 191 days. Drlg @ 11,500', drld 45' Nugget ss in 12 hrs.
 MW 8.6; vis 61; WL 6.4; pH 9. TIH w/bit #58 (8½" Security H100F s/n 957994) in @ 11,455'.
 Bit has drld 45' in 12 hrs. Wshd & rmd from 9615-9800' & 10,825-11,114', wshd & rmd 60'
 to btm.

CHICKEN CREEK FED 16-34 6/29/81 192 days. Trp for bit @ 11,553', drld 53' of Nugget ss
 (16,500'Deseret-WC) in 15½ hrs. MW 8.9; vis 60; WL 6; pH 9. Bit #58 has drld 98'
 Juab Co., Utah in 27½ hrs. Survey: 1° @ 11,506' & 3/4° @ 11,538'.
 Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 6/30/81 193 days. Rng wireline survey @ 11,610', drld 57'
 (16,500'Deseret-WC) Nugget ss in 12½ hrs. MW 8.6; vis 55; WL 6; pH 9.5. Survey:
 Juab Co., Utah ½° @ 11,569'; 1° @ 11,600'. Bit #58 Dull grade: 8-4-¼". Ran
 Chicken Creek Prosp. bit #59 (8½" Security H100F s/n 106377) in @ 11,553', bit has
 drld 57' in 12½ hrs. Drlg wt 45M#; RPM 45.

CHICKEN CREEK FED 16-34 6/12/81 175 days. Drlg Nugget ss @ 10,755', drld 29' in 13½ hrs. MW 8.8; vis 55; WL 6.8; pH 10. Survey: 1-3/4° @ 10,755'.
(16,500'Deseret-WC) Pld bit #51 @ 10,755', bit drld 44' in 17 hrs. Dull grade: 5-2-I,
Juab Co., Utah cored in the center. Ran bit #52 (8½" Security H100F s/n 971018)
Chicken Creek Prosp. in @ 10,755', bit is now on btm.

CHICKEN CREEK FED 16-34 6/13/81 176 days. Drlg @ 10,799', drld 44' of Nugget in 21½ hrs. Survey: 1-3/4° @ 10,764'. Bit #52 has drld 44' in 21½ hrs
(16,500'Deseret-WC) BGG trace; drlg wt 35M#; RPM 45.
Juab Co., Utah 6/14/81 177 days. Surveying @ 10,868', drld 69' of Nugget in
Chicken Creek Prosp. 19½ hrs. Survey: 1-3/4° @ 10,796'; 1½° @ 10,858'. Bit #52 has
drld 113' in 41 hrs. BGG trace; drlg wt 38; RPM 45.

CHICKEN CREEK FED 16-34 6/15/81 178 days. Drlg @ 10,898', drld 30' Nugget in 11 hrs.
(16,500'Deseret-WC) MW 8.8; vis 58; WL 6.0; pH 10.5. Survey: 1½° @ 10,887', pld
Juab Co., Utah bit #52 @ 10,887', bit drld 132' in 47½ hrs. Cond: 7-4-½". Ran
Chicken Creek Prosp. bit #53 (8½" Security H100 s/n 608813) bit has drld 11' in 4½ hrs
BGG trace; TG 5 units.

CHICKEN CREEK FED 16-34 6/16/81 179 days. Drlg @ 10,958', drld 60' Nugget in 21 hrs.
(16,500'Deseret-WC) MW 8.8; vis 50; WL 5.2; pH 10.5. Survey: 1-3/4° @ 10,948'.
Juab Co., Utah Bit #53 has drld 71' in 25½ hrs. BGG trace; drlg wt 35-40M#;
Chicken Creek Prosp. RPM 45.

CHICKEN CREEK FED 16-34 6/17/81 180 days. Drlg @ 10,985', drld 27' of Nugget in 10 hrs.
(16,500'Deseret-WC) MW 8.7; vis 50; WL 5.2; pH 10.5. Survey: 1½° @ 10,974'. Pld
Juab Co., Utah bit #53 @ 10,974', bit drld 87' in 30½ hrs. Cond: 8-7-I. Ran
Chicken Creek Prosp. bit #54 (8½" Security H100F s/n 106383) bit has drld 11' in 5
hrs. Drlg wt 38M#; RPM 45.

CHICKEN CREEK FED 16-34 6/18/81 181 days. Drlg Nugget ss @ 11,024', drld 39' in 13
(16,500'Deseret-WC) hrs. MW 8.8; vis 53; WL 5.6; pH 10.5. Bit #54 has drld 50'
Juab Co., Utah in 18 hrs. BGG trace; drlg wt 38M#; RPM 45.
Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 6/19/81 182 days. TIH w/bit #55 @ 11,055', drld 31' of Nugget
(16,500'Deseret-WC) ss in 14½ hrs. MW 8.7; vis 50; WL 4.8; pH 10.5. Survey: 1½° @
Juab Co., Utah 11,055'. Pld bit #54 @ 11,055', bit drld 81' in 32½ hrs. Dull
Chicken Creek Prosp. grade: 7-4-1/8". Ran bit #55 (8½" Security H100F s/n 106389) now
TIH.

CHICKEN CREEK FED 16-34 6/20/81 183 days. Drlg Nugget ss @ 11,106', drld 51' in 17½
(16,500'Deseret-WC) hrs. MW 8.5; vis 50; WL 6; pH 10.5. Survey: 1-3/4° @ 11,072'.
Juab Co., Utah Ran bit #55 (8½" Security H100F s/n 106379) in @ 11,055', bit
Chicken Creek Prosp. has drld 51' in 17½ hrs. Drld 1266' Nugget. Drlg wt 38M#; RPM
45.

6/21/81 184 days. POH w/bit #55 @ 11,178', drld 72' in 16½
hrs. MW 8.8; vis 52; WL 5.6; pH 10.5. Survey: 1½° @ 11,104'; 2° @ 11,135'; 1½° @
11,166'. Now plg bit #55 @ 11,178', bit drld 123' in 34 hrs. Had drlg break from
11,132-11,155', circ samp, no shows. Now POH w/bit #55.

CHICKEN CREEK FED 16-34 6/22/81 185 days. Drlg @ 11,194', drld 16' Nugget in 5½ hrs.
(16,500'Deseret-WC) MW 8.7; vis 53; WL 6.4; pH 10. Fin POH w/bit #55. Cond:
Juab Co., Utah 7-4-1/8". Magnafluxed BHA, press test rams, lines & choke to
Chicken Creek Prosp. 5000 psi, Hydril & Kelly to 3000 psi. TIH w/bit #56 (8½"
Security H100F s/n 106382) bit has drld 16' in 5½ hrs. Drlg
wt 35M#; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/1/81 164 days. Drlg w/Navi-Drill @ 10,026', drld 54' of Nugget ss in 9 hrs. MW 8.7; vis 44; WL 7.4; pH 10. Survey: 2½°E @ 9943'; 1-3/4°S85°E @ 9990'. Pld bit #47 @ 9993', bit drld 96' in 24½ hrs. Cond: 6-2-½". PU Navi-Drill @ bent sub, TIH w/RR#46 (8½" Christensen MD411ST s/n IW4910) bit has drld 33' in 3½ hrs. Made 11' SLM correction from 10,004-9993'. BGG trace; trip gas 2; drlg wt 40M#; RPM 330.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/2/81 165 days. TIH w/bit #48 @ 10,030', drld 4' in 1 hr. MW 8.7; vis 44; WL 6.8; pH 10.4. Survey: 1½°S85°E @ 10,030'. Had trouble w/Navi-Drill, POH, LD Navi-Drill & bit #RR46, bit drld 37' in 4½ hrs (out of gauge ½"). Ran bit #48 (8½" Security H100F s/n 560785) in @ 10,030', now rmg @ 10,001'.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/3/81 166 days. Drlg Igneous sill @ 10,144', drld 114' in 16½ hrs. MW 8.7; vis 51; WL 6.4; pH 11. Survey: 1½°S80°E @ 10,049'; 1-3/4°S82°E @ 10,080'. Bit #48 in @ 10,030', bit has drld 114' in 16½ hrs. Drlg wt 50M#; RPM 35.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/4/81 167 days. Drlg Nugget ss @ 10,266', drld 122' in 18½ hrs. MW 8.8; vis 46; WL 6.8; pH 11. Survey: 1-3/4°S85°E @ 10,110'; 2½°N87°E @ 10,142'; 1°N82°E @ 10,202'. Bit #48 has drld 236' in 35 hrs. Drld 50' Igneous sill, now drlg Nugget ss. Drlg wt 35M#; RPM 50.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/5/81 168 days. Drlg @ 10,380', drld 114' of Nugget ss in 17½ hrs. MW 8.8; vis 41; WL 7.8; pH 10. Survey: 1°S65°E @ 10,233'; 1½°N20°E @ 10,295'. Bit #48 has drld 350' in 52½ hrs. Drlg wt 35M#; RPM 55.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/6/81 169 days. Drlg Nugget ss @ 10,413', drld 33' in 4½ hrs. MW 8.9; vis 54; WL 7.4; pH 11. Survey: 1°N78°E @ 10,327'; 3/4°N78°E @ 10,380'. Pld bit #48 @ 10,393', bit drld 363' in 54½ hrs. Dull grade: 8-8-½". Ran bit #49 (8½" Security H100F s/n 970937) in @ 10,393', bit has drld 20' in 2½ hrs. Drlg wt 35M#; RPM 55.

MW 8.8; vis 57; WL 6.4; pH 10.5. Survey: 1½°N20°E @ 10,373; ½°S30°E @ 10,404'. Bit #49 has drld 101' in 24 hrs. Drlg wt 35M#; RPM 50.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/8/81 171 days. Wshg & rmg to btm w/bit #50 @ 10,509', drld 11' in 3½ hrs. MW 8.8; vis 58; WL 6; pH 10. Survey: 3/4°N80°E @ 10,436'. Pld bit #49 @ 10,509', bit drld 116' in 27½ hrs. Dull grade: 7-7-½". Ran bit #50 (8½" Security H100F s/n 970939) Now wshg to btm.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/9/81 172 days. Drlg Nugget ss @ 10,573', drld 64' in 19 hrs. MW 8.6; vis 52; WL 7.6; pH 10. Survey: 1° @ 10,550'. Bit #50 in @ 10,509' has drld 64' in 19 hrs. BGG trace. Drlg wt 35M#; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/10/81 173 days. Drlg @ 10,660', drld 87' Nugget in 19½ hrs. MW 8.6; vis 61; WL 6.8; pH 9.5. Survey: 3/4° @ 10,612'; 1½° @ 10,644'. Bit #50 has drld 151' in 38½ hrs. BGG trace; drlg wt 27-38M#; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 6/11/81 174 days. Drlg Nugget ss @ 10,726', drld 66' in 10 hrs. MW 8.7; vis 61; WL 6.4; pH 9.5. Survey: 1½° @ 10,711'. Pld bit #50 @ 10,711', bit drld 202' in 45 hrs. Dull grade: 6-4-½". Ran bit #51 (8½" Reed FP83 s/n 930964) in @ 10,711', bit has drld 15' in 3½ hrs. BGG trace; drlg wt 35M#; RPM 45.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPLICATE*
(Other instructions on
reverse side)

2

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-11146
2. NAME OF OPERATOR American Quasar Petroleum Co. of New Mexico		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a
3. ADDRESS OF OPERATOR 204 Superior Bldg., 201 No. Wolcott, Casper, WY 82601		7. UNIT AGREEMENT NAME Chicken Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1056' FSL, 2982' FWL		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 16-34
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6463' GR (surveyed)		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T15S, R1E
		12. COUNTY OR PARISH Juab
		13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Monthly report of operations <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This is a monthly report of operations for period July 1, 1981 - July 31, 1981

(Please see attached chronological report)

18. I hereby certify that the foregoing is true and correct

SIGNED

John P. Sindelar

TITLE Division Dir'lq. Supt.

DATE 7/31/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK FED 16-34 7/23/81 216 days. TD 12,174', att to back off OS. MW 8.7; (16,500' Deseret-WC) vis 58; WL 6.5; pH 9.5. Cont drlg w/coil tubing unit, made Juab Co., Utah no additional hole, ran collar locator log, RIH w/jnk shot, Chicken Creek Prosp. POH, PU spud bars, RIH, spud on plug, POH, RIH w/1-3/4" magnet, POH, rec no jnk. RIH w/coil tubing unit w/flat btm mill, made no hole. Now att to back off OS.

CHICKEN CREEK FED 16-34 7/24/81 217 days. TD 12,174', LD WP. MW 8.5; vis 53; WL 6.8; (16,500' Deseret-WC) pH 9.5. Jar on OS, wkd 9 jts out of hole, TOH w/OS, left Juab Co., Utah grapples in hole, LD fshg tools, PU bit & DC's, TIH, wsh & rmd to top of fish @ 11,464'. Circ & cond, TOH, now LD WP & prep Chicken Creek Prosp. to TIH open ended to set cmt plug.

CHICKEN CREEK FED 16-34 7/25/81 218 days. PB TD 11,215', TOH. Fin LD WP & fshg tools, (16,500' Deseret-WC) TIH open-ended to top of fish, circ, RU Halliburton, spt 185 sx Juab Co., Utah Class H + 1% CFR2, clear pipe, TOH, PU DC's & RR #45, TIH, tagged Chicken Creek Prosp. cmt @ 11,195', polish cmt to 11,215', circ btms up, now SLM out of hole.

7/26/81 219 days. PB TD 11,155', TIH w/mud motor, strap out of hole corrected PB TD 11,141', PU Monel & 3 DC's, TIH, dressed plug to 11,155'. TOH, PU mud motor & 2" Bent sub, now TIH for sidetrack.

CHICKEN CREEK FED 16-34 7/27/81 220 days. Time drlg @ 11,182', drld 27' in 22 hrs. MW 8. (16,500' Deseret-WC) vis 57; WL 6.4; pH 11. Fin RIH w/bit #67 (8 1/2" Christensen MD Juab Co., Utah 43ST s/n IW4187) bit #67 has drld 27' in 22 hrs. Time drlg @ Chicken Creek Prosp. 1' per hr.

CHICKEN CREEK FED 16-34 7/28/81 221 days. TD 11,193', TOH, drld 11' in 11 hrs. MW (16,500' Deseret-WC) 8.7; vis 57; WL 6.4; pH 11. Time drill 1' per hr, circ, time Juab Co., Utah drill, plug bit, TOH, change mud motor, TIH, encounter TH @ Chicken Creek Prosp. 8675', now TOH to PU conventional assy, will ream thru tight spot & kick off point.

CHICKEN CREEK FED 16-34 7/29/81 222 days. TD 11,193'. Wshg & rmg to btm. MW 8.5; (16,500' Deseret-WC) vis 55; WL 6.4; pH 11. Fin TOH w/Posi-Drill & bit #67, bit Juab Co., Utah had drld 38' in 33 hrs. PU bit #68 (8 1/2" Security H100 s/n Chicken Creek Prosp. 608718) TIH, set down on bridge @ 8400', now wshg & rmg to btm @ 10,790'.

CHICKEN CREEK FED 16-34 7/30/81 223 days. Drlg @ 11,241', drld 48' Nugget in 19 hrs. (16,500' Deseret-WC) MW 8.8; vis 64; WL 6; pH 10.5. Survey: 3 1/4°N17°W @ 11,187'. Juab Co., Utah Wshd & rmd from 10,790-11,193'. Drlg wt 25M#; RPM 60. Chicken Creek Prosp.

CHICKEN CREEK FED 16-34 7/31/81 224 days. Drlg Nugget @ 11,300', drld 59' in 21 hrs. (16,500' Deseret-WC) MW 8.6; vis 55; WL 6; pH 10.5. Survey: 3-3/4°N17°W @ 11,218'; Juab Co., Utah 3 1/4°N20°W @ 11,249'. Chicken Creek Prosp.

- CHICKEN CREEK FED 16-34 (16,500'Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 7/13/81 206 days. TD 12,174', TOH w/WP. MW 8.7; vis 66; WL 5.8; pH 9.7. Wsh & rmd to top of fish, circ & cond, TOH, PU 6 jts WP, TIH to top of fish @ 11,393', WO fish from 11,393-11,473', now POH w/WP.
- CHICKEN CREEK FED 16-34 (16,500'Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 7/14/81 207 days. TD 12,174', att to BO. MW 8.7; vis 70; WL 4.8; pH 9.5. TOH w/WP, PU screw-in sub, jars & bumper sub. TIH, wsh to top of fish, circ & cond, screw into fish, att to circ w/o success. RU & RIH w/spud bar, could not get past keyseat wiper. RIH w/BO shot, DP twisted off 20' below floor when beginning to back torque. Caught DP w/OS, RIH w/BO shot, DP backing off above screw-in sub.
- CHICKEN CREEK FED 16-34 (16,500'Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 7/15/81 208 days. TD 12,174', making up shot. MW 8.7; vis 62; WL 5.6; pH 9.5. Att to BO, broke DP above RT, LD 1 jt DP, att to BO, BO above jars, press DP to 4500 psi w/Halliburton, began circ, wkd jars, drpd Carbide lag indicating circ above fish. RIH w/Petro-Research cutter, did not cut off pipe. Ran string-shot, BO above jars, screwed in, now making up shot to blow off tool jt.
- CHICKEN CREEK FED 16-34 (16,500'Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 7/16/81 209 days. TD 12,174', cutting drlg line. MW 8.7; vis 52; WL 5.6; pH 9.5. RIH w/Sevier shot, could not get shot thru jars, POH, RIH w/Star drill & jars on wireline, knocked plug out of jars, POH, PU Sevier shot, RIH, shot pipe @ 11,495', torqued pipe, string parted @ 11,495'. POH, rec 84' DP, consisting of 2 jts + 22'. PU WO shoe & 6 jts WO pipe, TIH, WO fish from 11,495-11,694'. POH, row cutting drlg line & WO extension bowl for OS.
- CHICKEN CREEK FED 16-34 (16,500'Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 7/17/81 210 days. TD 12,174', TIH. MW 8.8; vis 57; WL 5.6; pH 9.5. Fin cutting drlg line, PU OS, TIH, engage fish w/OS, att BO, could not get BO shot into fish. Att manual BO w/o success. Jarred on fish, moved fish up hole 15". OS appeared to release, POH, left OS, jars, bumper sub & 5 6" DC's in hole. LD DC's w/bad threads, now TIH to screw into fish.
- CHICKEN CREEK FED 16-34 (16,500'Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 7/18/81 211 days. TD 12,174', mlg on fish. TIH, screwed into fish, POH, LD 5 DC's, PU 8-1/8" skirted mill, TIH, mill on fish from 11,495-11,502'.
7/19/81 212 days. TD 12,174', TIH w/OS. Fin mlg on fish, mld a total of 7'8", TOH, PU OS w/6-3/4" grapples, TIH, att to TOH, PU extension, now TIH.
catch fish w/o success.
- CHICKEN CREEK FED 16-34 (16,500'Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 7/20/81 213 days. TD 12,174', rng clean-out shot. MW 8.7; vis 57; WL 6.4; pH 9.5. TIH w/OS, could not engage fish, POH, installed extension bowl & 7" grapples, TIH, engage fish, jar on fish, RIH w/free-point, could not get below top of fish, ran sinker bars w/star drill, still no success, RIH w/3" jnk shot, POH, run in hole w/chisel point, could not clean out jnk. RIH w/core bbl, no recovery. RIH w/7" jnk shot, now POH to PU star drill.
- CHICKEN CREEK FED 16-34 (16,500'Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 7/21/81 214 days. TD 12,174', WO coiled tubing unit. MW 8.7; vis 57; WL 6.4; pH 9.5. Fin rng btm hole clean-out shot, RIH w/sinker bars, left sinker bars in hole, made 5 runs w/wireline OS, rec sinker bars, now WO coiled tubing unit. Will run slim-hole Dyna-Drill to clean out obstruction in fish.
- CHICKEN CREEK FED 16-34 (16,500'Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 7/22/81 215 days. TD 12,174', drlg on plug inside fish @ 11,502'. MW 8.7; vis 57; WL 6.4; pH 9.5. RU coil tubing unit, run in hole w/Dyna-Drill, could not get thru jars, POH, ground bit to 1-7/8", TIH, tagged plug @ 11,498', now drlg w/Dyna-drill @ 11,502'.

CHICKEN CREEK FED 16-34 7/3/81 196 days. Drlg Nugget ss @ 11,804', drld 75' in 16 hrs. (16,500' Deseret-WC) MW 8.7; vis 50; WL 4.8; pH 9.5. Survey: 1° @ 11,786'. Pld bit #60 @ 11,729', bit drld 93' in 22 hrs. Dull grade: 6-4-1. Ran bit #61 (8½" Security H100F s/n 106380) in @ 11,729', bit has drld 75' in 16 hrs. Drlg wt 45M#; RPM 45.

7/4/81 197 days. TD 11,840', drld 36' Nugget ss in 9½ hrs, mxg mud & building volume. MW 8.6; vis 38; WL 8.5; pH 10. Survey: ¾° @ 11,840'. Bit #61 was pld @ 11,840', bit drld 111' in 25½ hrs. Dull grade: 8-8-1/8. Ran bit #62 (8½" Security H100F s/n 106404) in @ 11,840', now mxg mud & building volume. Lost complete returns @ 11,827', lost approx 300 bbls, build volume, regained returns, trp for bit #62, now on btm w/full circ, building volume.

7/5/81 198 days. Drlg Nugget ss @ 11,922', drld 83' in 15½ hrs. MW 8.7; vis 54; WL 6; pH 9.5. Survey: ½° @ 11,911'. Bit #62 has drld 82' in 15½ hrs. Drlg wt 45M#; RPM 45.

CHICKEN CRK. FED. 16-34 7/6/81 199 days-Drlg. at 11,978'. Drld. 56' ss in (16,500' Deseret-WC) 10½ hrs. MW 8.6; vis 57; WL 4.8; pH 9.0. Survey: ¾° at 11,942'. Pulled bit #62 at 11,942'. Bit had drld. 102' in 20 hrs. Dull grade: 8-8-2. Ran bit #63 (8½" H100F, s/n 976436) in at 11,942'. Bit has drld. 36' in 6 hrs. Drlg. wt. 45M#; RPM 45. BGG-1 unit.

CHICKEN CREEK FED 16-34 7/7/81 200 days. Drlg Nugget ss @ 12,032', bit drld 54' in 10 (16,500' Deseret-WC) hrs. MW 8.7; vis 55; WL 5.2; pH 9.5. Survey: ¾° @ 11,999'. Juab Co., Utah Bit #63 was pld @ 11,999', bit drld 57' in 10 hrs. Dull grade: 8-8-2". Ran bit #64 (8½" Security H100F s/n 106406) in @ 11,999' Chicken Creek Prosp. bit drld 33' in 6 hrs. Drlg wt 45M#; RPM 45.

CHICKEN CREEK FED 16-34 7/8/81 201 days. PU DST tools, TD 12,052', drld 20 Nugget ss (16,500' Deseret-WC) in 3½ hrs. MW 8.7; vis 55; WL 4.4; pH 9.5. Survey: 1° @ Juab Co., Utah 12,052'. Pld bit #64 @ 12,052', bit drld 53' in 9½ hrs. Dull grade: 8-4-1/8". Ran bit #65 (8½" Security H100F s/n 106405) Chicken Creek Prosp. in @ 12,052', rmd to btm, pld for DST #1. Will tst from 11,805-12,052'.

CHICKEN CREEK FED 16-34 7/9/81 202 days. LD DST tools. TD 12,052'. MW 8.7; vis 58; (16,500' Deseret-WC) WL 5; pH 9.5. Ran DST #1 Nugget ss from 11,805-12,052'. 2500' Juab Co., Utah of ammonia wtr cushion. Tool opn 60 min w/very good blow; still Chicken Creek Prosp. incr @ SI. SI 90 min; pld to recover 2500' of wtr cushion; 7052' of stained wtr. No shows. Bomb depth 11,080', BHT 232°. IHP 5417', IF 2162', FF 3799, FSI 4479, FH 5399. Sampl cap 2500 cc rec, has 0 press, 2325 cc of wtr, res .45 @ 60°. Sampl wtr rec 30 ppm nitrates, 900 ppm chlorides. Now LD DST tool

CHICKEN CREEK FED 16-34 7/10/81 203 days. Drlg Nugget ss @ 12,160', drld 108' in (16,500' Deseret-WC) 14½ hrs. MW 8.7; vis 58; WL 5.2; pH 9.5. Survey: ¾° @ Juab Co., Utah 12,097'. Fin LD DST tools, ran bit #65 (8½" Security H100F s/n 106405) in @ 12,052', bit has drld 108' in 14½ hrs. Drlg wt Chicken Creek Prosp. 45M#; RPM 45.

CHICKEN CREEK FED 16-34 7/11/81 204 days. Fsg @ 12,174', drld 14' of Nugget in 3 hrs. (16,500' Deseret-WC) Survey: ¾° @ 12,174'. POH w/bit #65 @ 10,174', drld 122' in Juab Co., Utah 17½ hrs. Cond: 8-5-¼". Begin TIH w/bit #66 (8½" Security H100F s/n 609381) Hit rotary table w/elevators while TIH, drpd fish Chicken Creek Prosp. 47 stands to btm. TIH w/OS, RU free-point, RIH, could not get past top of DC's. Now prep to 80.

7/12/81 205 days. TD 12,174', TIH w/bit to cond hole. PU sinker bar & star point, could not get past top of DC's, RIH w/back-off, could not get below string reamer @ 10,423', POH, chng back-off shot, RIH w/back-off, shot @ 11,413'. POH w/pipe, LD 21 jts crooked DP, PU DC's, TIH w/RR #32 (8½" Reed FP52 s/n 299969) to cond hole.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

7/1/81 194 days. Drlg @ 11,643', drld 33' of Nugget in 12½ hrs.
MW 8.6; vis 53; WL 6.4; pH 9.5. Survey: 3/4° @ 11,636'. Pld
bit #59 @ 11,636', made 83' in 25 hrs. Dull grade: 8-4-I.
Ran bit #60 (8½" Security H100F s/n 106378) in @ 11,636', bit
has drld 7' in 2 hrs. Drlg wt 45M#: RPM 45.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

7/2/81 195 days. Trp for bit @ 11,729', drld 86' Nugget in
20 hrs. MW 8.6; vis 50; WL 6.4; pH 10. Survey: 3/4° @ 11,693'.
Bit #60 out @ 11,729', drld 93' in 22 hrs. Drlg wt 45M#: RPM 45.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING**RECEIVED****SUNDRY NOTICES AND REPORTS ON WELLS**(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
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14. PERMIT NO.		9. WELL NO. 16-34
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		12. COUNTY OR PARISH juab
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16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
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(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is a monthly report of operations for period Aug. 1, 1981 - Aug 31, 1981

(Please see attached chronological report).

18. I hereby certify that the foregoing is true and correct

SIGNED John F. Sindelar TITLE Division Drlg. Supt. DATE 8/31/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

8/27/81 251 days. Drlg Nugget ss @ 13,037', drld 52' in 10½ hrs. MW 8.6; vis 57; WL 5.2; pH 9.5. Survey: misrun @ 13,033'. Bit #87 was pld @ 13,033', bit drld 88' in 21½ hrs. Dull grade: 5-4-1. Ran bit #88 (8½" Reed FP83 s/n 166944) in @ 13,033, bit has drld 4' in ½ hrs. Drlg. wt 45M#; RPM 35.

CHICKEN CREEK FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

8/28/81 252 days. Drlg ss, silt & sh @ 13,164', drld 127' in 22 hrs. MW 8.6; vis 53; WL 4.4; pH 10. Bit #88 has drld 131' in 22½ hrs. Drlg. wt 45M#; RPM 35.

CHICKEN CREEK FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

8/29/81 253 days. Trpg for bit @ 13,212', drld 48' of Nugget ss in 11½ hrs. MW 8.6; vis 58; WL 5.2; pH 10. Survey: 5¼° @ 13,212'. Bit #88 was pld @ 13,165', bit drld 132' in 22 hrs. Dull grade: 7-4-1/8. Ran bit #89 (8½" Security M89TF s/n 948351) in @ 13,165', out @ 13,212', bit drld 47' in 11 hrs. Dull grade 7-4-1/8. Drlg wt 45M#; RPM 35.

8/30/81 254 days. Trpg for bit @ 13,291', drld 79' in 18 hrs. MW 8.6; vis 53; WL 5.6; pH 10. Ran bit #90 (8½" Reed FP83 s/n 166998) in @ 13,212', out @ 13,291', bit drld 79' of Nugget ss in 18 hrs. Now POH.

CHICKEN CREEK FED 16-34

(16,500' Deseret-WC)

Juab Co., Utah

Chicken Creek Prosp.

8/31/81 255 days. Drlg Nugget ss @ 13,343', drld 52' in 11 hrs. MW 8.6; vis 58; WL 5.2; pH 10. Survey: Misrun @ 13,291'. Bit #90 - Dull grade: 8-5-1". Ran bit #91 (8½" Reed FP83J s/n 166945) in @ 13,291', bit has drld 52' in 11 hrs. Drlg wt 45M#; RPM 35.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/15/81 239 days. TOH @ 12,392' drld 92' Nugget in 13 hrs. RR#78 Drld 92' in 13 hrs. BGG 1 unit; TG 3 units; Drlg wt 45; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/16/81 240 days. Drlg @ 12,443', drld 51' of Nugget in 12 hrs. Survey: 1-3/4° @ 12,392'. Fin TOH w/RR#78, dull grade: 7-4-I. TIH w/bit #79 (8 1/2" Security H100 s/n 608799) Bit has drld 51' in 12 hrs. Drlg wt 45; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/17/81 241 days. Drlg @ 12,466', drld 23' Nugget in 8 1/2 hrs. MW 8.6; vis 56; WL 6; pH 9.5. Survey: 2-3/4° @ 12,457'. Pld bit #79 @ 12,457', bit drld 65' in 17 hrs. Cond: 8-7-I. Left piece of cone in hole. RIH w/bit #80 (8 1/2" Hughes J99 s/n LX216) Bit has drld 9' in 3 1/2 hrs. Drlg wt 45; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/18/81 242 days. TIH w/bit #81 @ 12,513', drld 47' of Nugget ss in 14 1/2 hrs. MW 8.6; vis 51; WL 5.6; pH 9.5. Survey: 3° @ 12,513'. Pld bit #80 @ 12,513', bit drld 56' in 18 hrs. Dull grade: 7-4-I. Ran bit #81 (8 1/2" Hughes J99 s/n LW072) Now TIH @ 12,513'.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/19/81 243 days. TIH w/bit #82. TD 12,554', drld 41' of Nugget ss in 14 1/2 hrs. MW 8.6; vis 55; WL 4.8; pH 9.5. Survey: 3 1/2° @ 12,554'. Bit #81 ran to btm @ 12,513', drld 41' in 14 1/2 hrs. POH @ 12,554'. Dull grade: 7-4-I. Ran bit #82 (8 1/2" Security H100F s/n 106381) Now TIH @ 12,554'.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/20/81 244 days. TOH w/bit #82 @ 12,597', drld 43' of Nugget ss in 14 1/2 hrs. MW 8.6; vis 50; WL 4.8; pH 9.5. Fin TIH w/bit #82, in @ 12,554', out @ 12,597', bit drld 43' in 14 1/2 hrs. Now POH.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/21/81 245 days. Drlg Nugget ss @ 12,674', drld 77' in 14 hrs. MW 8.6; vis 51; WL 5.6; pH 9.5. Fin POH w/bit #82. Dull grade: 7-4-1/8". Ran bit #83 (8 1/2" Reed FP83J s/n 930966) in @ 12,597', bit has drld 77' in 14 hrs. BGG 1 unit; drlg wt 45M#; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/22/81 246 days. Drlg Nugget ss & anhy @ 12,732', drld 58' in 15 hrs. MW 8.6; vis 51; WL 5.6; pH 9.5. Survey: 3 1/2° @ 12,691'. Pld bit #83 @ 12,691', bit drld 94' in 20 hrs. Dull grade: 7-4-I. Ran bit #84 (8 1/2" Reed FP83J s/n 166997) in @ 12,691', bit has drld 41' in 9 hrs. BGG trace, drlg wt 45M#; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/23/81 247 days. TIH w/bit #85 @ 12,794', drld 62' of Nugget ss & anhy in 13 hrs. MW 8.6; vis 51; WL 6.8; pH 9.5. Survey: 3 1/2° @ 12,794'. Pld bit #84 @ 12,794', bit drld 103' in 22 hrs. Dull grade: 7-4-1/8". Ran bit #85 (8 1/2" Reed FP83J s/n 166943) Now TIH @ 12,794'.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/24/81 248 days. TOH w/bit #85 @ 12,868', drld 74' Nugget ss in 15 hrs. MW 8.6; vis 56; WL 4.4; pH 9.5. Fin TIH w/bit #85, in @ 12,794', bit drld 74' in 15 hrs. Now plg @ 12,868'.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/25/81 249 days. Drlg Nugget ss @ 12,936', drld 68' in 17 1/2 hrs. MW 8.6; vis 58; WL 5.6; pH 10. Fin plg bit #85. Dull grade: 6-4-1/8". Ran bit #86 (8 1/2" Reed FP83J s/n 166989) in @ 12,868', bit has drld 68' in 17 1/2 hrs. BGG trace; drlg wt 45M#; RPM 45.

CHICKEN CREEK FED 16-34 (16,500' Deseret-WC) Juab Co., Utah Chicken Creek Prosp. 8/26/81 250 days. Drlg Nugget ss @ 12,985', drld 49' in 14 1/2 hrs. MW 8.5; vis 55; WL 5.6; pH 9.5. Survey: 4° @ 12,945'. Pld bit #86 @ 12,945', bit drld 77' in 20 1/2 hrs. Dull grade: 7-5-1/8". Ran bit #87 (8 1/2" Reed FP83J s/n 930962) in @ 12,945', bit has drld 40' in 11 1/2 hrs. BGG trace; Drlg wt 45; RPM 40.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/4/81 228 days. TD 11,486', TIH. Drlg 22' Nugget in 10 hrs. MW 8.6; vis 50; WL 4.4; pH 9.5. Survey: 2°N32°W @ 11,476'. Pld bit #70 @ 11,486', bit drld 46' in 16 hrs. Cond: 8-5-I. Ran bit #71 (8½" Hughes J99 s/n FD318).

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/5/81 229 days. Trp for bit @ 11,561', drld 75' of Nugget ss in 21½ hrs. MW 8.6; vis 52; WL 5.2; pH 9.5. Plg bit #71 @ 11,561', bit drld 75' in 21½ hrs. Now POH.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/6/81 230 days. Drlg Nugget ss @ 11,605', drld 44' in 10½ hrs. MW 8.6; vis 54; WL 6; pH 9. Survey: 2½° @ 11,561'. Fin plg bit #71. Dull grade: 8-4-I. Ran bit #72 (8½" Hughes J99 s/n MA052) in @ 11,561', bit has drld 44' in 10½ hrs. Drlg wt 45M#; RPM 45.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/7/81 231 days. Drlg Nugget @ 11,665', drld 60' in 14½ hrs. MW 8.6; vis 55; WL 5.6; pH 9.5. Survey: 2° @ 11,641'. Pld bit #72 @ 11,641', bit had drld 80' in 21½ hrs. Dull grade: 7-4-I. Ran bit #73 (8½" Hughes J99 s/n DW147) in @ 11,641', bit has drld 24' in 3½ hrs.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/8/81 232 days. Trp for bit @ 11,739', drld 74' of Nugget ss in 16½ hrs. Survey: 1-3/4° @ 11,739'. Pld bit #73 @ 11,739', bit drld 98' in 20 hrs. Dull grade: 7-4-I. Ran bit #74 (8½" Hughes J99 s/n ZX222) in @ 11,739'. Now TIH.

8/9/81 233 days. Wshg & rmng to btm @ 11,809', drld 70' Nugget ss in 13½ hrs. Fin TIH w/bit #74, in @ 11,739', bit drld 70' in 13½ hrs. Dull grade: 7-4-I. Ran bit #75 (8½" Reed FP83 s/n 946423) Now wshg & rmng to btm @ 11,809'.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/10/81 234 days. Trp for bit @ 11,954', drld 145' of Nugget ss in 19 hrs. MW 8.6; vis 56; WL 6.5; pH 9. Survey: 1½° @ 11,954'. Fin TIH w/bit #75 in @ 11,809', out @ 11,954', bit drld 145' in 19 hrs. Dull grade: 8-7-½. Now prep to PU bit #76 & TIH.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/11/81 235 days. TIH w/bit #77 @ 12,023', drld 69' Nugget ss in 9½ hrs. MW 8.6; vis 57; WL 5.2; pH 9.5. Survey: 1° @ 12,023'. Ran bit #76 (8½" Reed FP83 s/n 931311) in @ 11,954', out @ 12,023', bit drld 69' in 9½ hrs. Dull grade: 8-4-1/8". Ran bit #77 (8½" Reed FP83J s/n 946429) now TIH @ 12,023'.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/12/81 236 days. Drlg Nugget ss @ 12,155', drld 132' in 13 hrs. MW 8.7; vis 54; WL 4.8; pH 9.5. Fin TIH w/bit #77, in @ 12,023', bit has drld 132' in 13 hrs. Drlg wt 45M#; RPM 45.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/13/81 237 days. Drlg @ 12,253', drld 98' Nugget in 10½ hrs. MW 8.7; vis 51; WL 5.6; pH 9.5. Survey: 1½° @ 12,205'. Pld bit #77 @ 12,205', bit drld 182' in 17½ hrs. Cond: 4-3-I. Ran bit #78 (8½" Reed FP83J s/n 931203) Bit has drld 48' in 6 hrs. Drlg wt 45M#; RPM 45.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp. 8/14/81 238 days. TD 12,300', drld 47' Nugget in 5½ hrs. TIH. MW 8.6; vis 53; WL 5.2; pH 9.5. Survey: 2° @ 12,300'. Pld bit #78 @ 12,300', bit drld 95' in 11½ hrs. Cond: 3-3-I. Begin TIH w/BHA, drpdslip die in hole, POH, PU jnk sub, TIH w/bit #RR78, drlg break @ 12,276-12,290', no shows, lost 150 bbls mud.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

8/1/81 225 days. Drlg @ 11,351', drld 51' Nugget in 12 hrs.
Survey: 2½°N25°W @ 11,296'; 2½°N27°W @ 11,311'. Pld bit #68 @
11,306', bit drld 113' in 43½ hrs. Cond: 6-7-½". Ran bit #69
(8½" Security H100 s/n 608825) bit has drld 45' in 8½ hrs. Drlg
wt 35M#; RPM 50.

Survey: 2°N20°W @ 11,375', bit #69 drld 134' in 29 hrs. Drlg wt 35M#; RPM 50.
8/2/81 226 days. TOH @ 11,440', drld 89' Nugget in 20½ hrs.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

8/3/81 227 days. Drlg @ 11,464', drld 24' of Nugget in 6 hrs.
MW 8.6; vis 55; WL 5.6; pH 9.5. Survey: 2°N30°W @ 11,430'.
Fin TOH w/bit #69, dull grade: 8-8-I. Ran bit #70 (8½" Security
H100F s/n 754706) bit has drld 24' in 6 hrs. Drlg wt 45M#;
RPM 45.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-11146
2. NAME OF OPERATOR American Quasar Petroleum Co. of New Mexico		6. IF INDIAN, ALLOTTED OR TRIBE NAME n/a
3. ADDRESS OF OPERATOR 204 Superior Bldg., 201 No. Wolcott, Casper, Wy 82601		7. UNIT AGREEMENT NAME Chicken Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1056' FSL, 2982' FWL		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 16-34
15. ELEVATIONS (Show whether DF, ST, OR, etc.) 6463' GR (surveyed)		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 16, T15S, R1E
		12. COUNTY OR PARISH 13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANN <input type="checkbox"/>	(Other) Monthly report of operations <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

This is a monthly report of operations for period September 1, 1981 - September 30, 1981
(please see attached chronological report)

RECEIVED

SEP 30 1981

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John F. Sindelar

TITLE

Division Dirg. Supt.

DATE

9/30/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/25/81 280 days. TD 13,515', Circ & cond for logs. MW 8.5; vis 58; WL 6.8; pH 11. Fin WOC, press to 1300 psi, did not hold, squeeze 50 sx class G + 2% CaCl₂, WOC, TOH, LD RTTS, TIH w/bit, tagged cmt @ 6400', drl cmt to 7000', TIH to btm, now circ & cond for logs.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/26/81 281 days. Circ & cond hole for logs. TD 13,515', PBD 13,056'. MW 8.6; vis 64; WL 12; pH 12.5. Circ & cond hole, POH, RU Schlumberger, ran DIL to 13,030', log up, hit bridge @ 8900', pld thru, bridle line damaged while plg thru, LD logging tools, TIH w/bit, had 15' fill @ 13,056. Now circ & cond for logs.

9/27/81 282 days. TD 13,515', PBD 13,056', short trpg, prep to POH for logs. MW 8.6; vis 65; WL 4; pH 11.5. Circ & cond, TOH, RU Schlumberger, ran dipmeter, tool stpd @ 8750', RD Schlumberger, TIH, circ, wsh & RM from 8720-8820', circ to btm, short trp 48 stds, no fill up, now prep to POH for logs.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/28 283 days. Logging w/Schlumberger. TD 13,515', PBD 13,056'. MW 8.6; vis 56; WL 4; pH 10.5. Fin short trp, POH, RU Schlumberger ran Dipmeter from 13,030-8079', Sonic & Velocity survey. Now logging w/Schlumberger.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/29/81 284 days. TD 13,515', PBD 13,056'. WOO. MW 8.7; vis 56; WL 4; pH 12.5. Fin logging, LD DC's, TIH, removed rubbers from DP, now WOO.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/30/81 285 days. TD 13,515', P&A. Fin WOO, TIH, set 85 sx Class G plug 10,200-10,000, 85 sx Class G plug from 8100-7900', 85 sx Class G plug 6800-6600', perf 9-5/8" csg from 1970-1971', could not pmp, perf 1930-1931', PU Halliburton bridge plug, now TIH.

CHICKEN CREEK FED 16-34 9/15/81 270 days. TD 13,515', building volume. MW 8.5; vis
 (16,500' Deseret-WC) 51; WL 7.2; pH 9.5; LCM 25. TIH w/RTTS packer & Model C bridge
 Juab Co., Utah plug, set plug @ 8070', set RTTS @ 8028', press to 300 psi w/
 Chicken Creek Prosp. no leak off, pld 14 stds, set RTTS @ 6893', pmpd down DP w/leak
 off, could not fill annulus. Pld 1 std, set RTTS @ 6798', could
 not fill hole above or below packer. Set RTTS numerous times between 6798 & 6200', annulus
 would not fill, set packer above 6200', annulus held 300 psi with no leak off. TIH, rec
 bridge plug, POH, LD tools, now building volume prep to TIH for logs.

CHICKEN CREEK FED 16-34 9/16/81 271 days. TD 13,515', wkg stuck drl string. MW 8.5;
 (16,500' Deseret-WC) vis 68; WL 6; pH 9.5. TIH, stuck drl string 70' of btm, jar,
 Juab Co., Utah work stuck drl pipe, RU Petro-log, RIH w/free-point, free-point
 Chicken Creek Prosp. estimate would not work, jar on pipe, repair free-point, TIH,
 DC's plugged @ 13,064'. Now att to clean out.

CHICKEN CREEK FED 16-34 9/17/81 272 days. TD 13,515', TIH to screw into fish. MW
 (16,500' Deseret-WC) 8.5; vis 47; WL 6.8; pH 9.5. RIH w/sinker bars & jars, clean
 Juab Co., Utah out to 13,120', stuck sinker bars, pull out of rope socket,
 Chicken Creek Prosp. RIH w/back-off, backed off 7 DC's below jars @ 13,031'. TOH,
 replace override clutch & hydromatic, PU fsg tools, now TIH to
 screw into fish.

CHICKEN CREEK FED 16-34 9/18/81 273 days. TD 13,515', TIH w/wireline OS. MW 8.4;
 (16,500' Deseret-WC) vis 47; WL 7.8; pH 9. TIH, wshd 12' to top of fish, screwed in,
 Juab Co., Utah jarred, run wireline OS, could not pass thru fsg jars, POH,
 Chicken Creek Prosp. left OS, jars & pipe, now POH w/same. Csg is on location.

CHICKEN CREEK FED 16-34 9/19/81 274 days. TD 13,515', RIH w/wireline OS. Made numerous
 (16,500' Deseret-WC) runs w/wireline OS, could not engage fish, ran extension w/new
 Juab Co., Utah grapples, engaged fish, jar for 2 hrs, OS came off, now RIH w/
 Chicken Creek Prosp. new grapples.
 9/20/81 275 days. TD 13,515', TOH w/DP. Made 5 runs w/wireline
 OS, engaged wireline fish, jar loose, POH, RIH w/back-off shot, back off above jars, screw
 back into fish, ran 2nd back-off shot, backed off pipe, now POH.

CHICKEN CREEK FED 16-34 9/21/81 276 days. TD 13,515', POH. MW 8.4; vis 55; WL 7.2;
 (16,500' Deseret-WC) pH 10. Fin TOH, had backed off @ service jt in bumper sub,
 Juab Co., Utah TIH, screw into bumper sub, att to back-off below bumper sub,
 Chicken Creek Prosp. ran free-point, string backed off manually, now POH.

CHICKEN CREEK FED 16-34 9/22/81 277 days. TD 13,515', POH w/coiled tubing. MW 8.5;
 (16,500' Deseret-WC) vis 51; WL 6.8; pH 10. Fin TOH, had backed off at service jt
 Juab Co., Utah in bumper sub, PU OS & fsg tools, TIH, engage fish, RU coiled
 Chicken Creek Prosp. tubing unit, RIH injecting nitrogen, blow DP dry to 13,058',
 could not pass top of bumper sub. Now POH w/coiled tubing.

CHICKEN CREEK FED 16-34 9/23/81 278 days. TD 13,515', jarring on fish. MW 8.5; vis
 (16,500' Deseret-WC) 54; WL 6.8; pH 10. RD coiled tubing unit, run sinker bars on
 Juab Co., Utah wireline, could not pass 12,880', RU coiled tubing unit, RIH
 Chicken Creek Prosp. to 12,688', blow DP dry w/nitrogen, POH, run sinker bars on
 wireline to 13,022', could not pass bumper sub, PU kelly, press
 to 1700 psi for 30 min, bleed off press, now jarring on fish, prep to release OS.

CHICKEN CREEK FED 16-34 9/24/81 279 days. TD 13,515', WOC. MW 8.4; vis 53; WL 6.8;
 (16,500' Deseret-WC) pH 10. Release OS, TOH, PU RTTS, TIH, set packer @ 6308', press
 Juab Co., Utah up on packer, press held, set packer @ 6389', would not hold
 Chicken Creek Prosp. press. Set packer @ 6384', press held, set packer @ 6306'
 press held, set packer @ 5935', mix & squeeze 300 sx class G
 + 2% CaCl₂. Now WOC.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/5/81 260 days. TD 13,389', att to regain circ, wshd to btm, did not regain returns, pmpd 50 sx cmt plug, WO plug, did not regain returns. Pmpd 50 bbl DOG squeeze @ 11,960', WO plug, did not regain returns. Pmpd 3rd squeeze @ 10,279', WO squeeze, did not regain returns. Pmpd 4th DOG squeeze @ 9700', now WO squeeze
9/6/81 261 days. TD 13,389', att to regain circ. Fin WO 4th plug, TIH, tagged top of plug @ 9472', pmpd & clear pipe, POH to run profile log, profile log results were inconclusive, no holes in csg apparent. Set DOG squeeze @ 6500', WO squeeze, tagged plug @ 5797', now WO plug.
9/7/81 262 days. TD 13,389', att to regain circ. Fill hole, hole stood full, wshd thru plug, lost circ. TIH to 7665', set 50 sx plug, now WC plug.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/8/81 263 days. TD 13,389', set diesel gel plug @ 6500', pld 15 stands, filled hole, POH, PU bit #92 (8½" Reed FP83 s/n 166991) TIH, wshd & RM from 6000-7600', lost returns, wshd intermittent bridges from 7600-13,389' w/no returns. Now prep to run Temperature log.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/9/81 264 days. TD 13,389', TIH w/RTTS. MW 8.6; vis 49; WL 6.8; pH 10. Fin wsg & RM to btm, pld bit #2 @ 13,329'. Cond: 6-4-I. RU & run Temp log, log indicated lost of circ inside csg from 6822-6838', WO Halliburton, PU RTTS tool, now TIH to squeeze bad spot.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., UTAH
Chicken Creek Prosp.

9/10/81 265 days. Circ btms up @ 13,389'. MW 8.6; vis 50; WL 6.4; pH 10. Set packer @ 6750', ran 150 sx diesel gel cmt, followed by 5 bbls diesel, followed by 200 sx class G, displ w/95 bbls mud, shut in w/450 psi on DP, WOC, att to stage 2nd half of cmt thru perforations, cmt would not go, POH w/RTTS, TIH w/bit #92 (8½" Reed FP83 s/n 166991) in @ 6755', drld to 7073' w/full returns. Ran 2 stands in hole, circ btms up, now POH to PU BHA.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/11/81 266 days. Drlg Nugget ss @ 13,404', drld 15' in 2½ hrs. MW 8.5; vis 47; WL 7.2; pH 11. POH, PU BHA, TIH w/bit #93 (8½" Reed FP83 s/n 166985) Trpd in, broke circ @ 5000, 8000, 11,000 & wshd to btm. Drlg fractured Nugget ss, have lost 80 bbls last 24 hrs. BGG trace. Drlg wt 45M#; RPM 35.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/12/81 267 days. Rep rig. TD 13,455', drld 51' of Nugget ss in 11 hrs. MW 8.5; vis 57; WL 7.2; pH 10.5. Survey: misrun @ 13,455'. Bit #93 was pld @ 13,455', bit drld 66' in 13½ hrs. Dull grade: 5-4-I. Now replacing brake blocks on drlg rig.
9/13/81 268 days. Drlg Nugget ss @ 13,485', drld 30' in 5 hrs. MW 8.5; vis 65; WL 7.4; pH 10.5. Ran bit #94 (8½" Hughes J77 s/n AP042') in @ 13,455', bit has drld 30' in 5 hrs. BGG 1-2 units. Fin replacing brake blocks, replaced sliding sleeve on hydromatic, TIH w/bit #94. Drlg wt 45M#; RPM 35.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

9/14/81 269 days. TD 13,515', drld 13' in 6½ hrs. Att to isolate lost circ zone. MW 8.4; vis 46; WL 7.8; pH 10. Survey: 7½° @ 13,515'. Bit #94 was pld @ 13,515', bit drld 60' in 11½ hrs. Dull grade: 6-5-I. POH w/bit #94, PU Halliburton RTTS packer & Model C bridge plug, TIH, set bridge plug @ 8070', bridge plug would not set, found bridge plug fouled w/lost circ material, now TIH to set same.

<u>CHICKEN CREEK FED 16-34</u> <u>(16,500' Deseret-WC)</u> Juab Co., Utah Chicken Creek Prosp.	9/1/81 256 days. TD 13,389', drld 46' Nugget in 8½ hrs, lost circ, building volume. MW 8.5; vis 49; WL 6; pH 10. Survey: 6° @ 13,364'. Pld bit #91 @ 13,364', bit drld 73' in 16 hrs. Cond: 7-4-½". Ran bit #92 (8½" Reed FP83J s/n 166991) Bit has drld 25' in 3½ hrs. Began losing partial returns @ 13,364', lost total of 400 bbls, pld 25 stands, now building volume.
<u>CHICKEN CREEK FED 16-34</u> <u>(16,500' Deseret-WC)</u> Juab Co., Utah Chicken Creek Prosp.	9/2/81 257 days. TD 13,389', TOH to stand back DC's. MW 8.5; vis 49; WL 6; pH 10. Fin building volume, pmpd LCM pill, circ, lost 300 bbls, build volume, pmp pill w/20 lb/bbls LCM, circ w/partial returns, TOH, remove nozzles, TIH, pmp pill w/35 lb/bbl LCM, circ w/partial returns, lost 800 bbls mud, now TOH to stand back DC's. Will TIH & pmp diesel oil gel cmt squeeze.
<u>CHICKEN CREEK FED 16-34</u> <u>(16,500' Deseret-WC)</u> Juab Co., Utah Chicken Creek Prosp.	9/3/81 258 days. TD 13,389', prep to pmp DOG squeeze. MW 8.6; vis 58; WL 6.8; pH 9. Fin TOH, mxd mud, TIH open-ended, sptd diesel oil gel cmt, pld 15 stands, hole standing full. WOC, att to gain circ, lost partial returns, TIH, prep to pmp 2nd DOG squeeze.
<u>CHICKEN CREEK FED 16-34</u> <u>(16,500' Deseret-WC)</u> Juab Co., Utah Chicken Creek Prosp.	9/4/81 259 days. TD 13,389', Attempting to regain circ., MW 8.6; vis 55; WL 7.2; pH 9.5. Pumped 50 bbl DOG squeeze, Pulled 15 stds, WOC 4hrs, filled hole, TIH, Washed to btm, lost returns. Set 2nd DOG plug, TIH, Tagged plug 900' off btm Now prep to set 2nd plug @ 12,400'.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-11146

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☐ P&A

2. NAME OF OPERATOR

American Quasar Petroleum Co. of New Mexico

3. ADDRESS OF OPERATOR

707 United Bank Tower 1700 Broadway Denver, CO 80290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1056 FSL, 2982 FWL

7. UNIT AGREEMENT NAME

Chicken Creek Unit

8. FARM OR LEASE NAME

Federal

9. WELL NO.

16-34

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 16, T15S-R1E

14. PERMIT NO.

431-023-30009

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

6463 GR

12. COUNTY OR PARISH

Juab

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☒
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Verbal approval to plug well received from Assad Raffoul 9/25/81.

Plugged as follows:

85 sx @10,000-10,200'

85 sx @7,900-8,100

85 sx @6,600-6,800

Perf'd 1970-1971 - could not pump

Perf'd 1930-1931

Set EZ drill @2009'

Squeezed 50 sx thru perfs

Left 75 sx 1975-1977'

Cut off 9 5/8" @wellhead

20 sx in top of 13 3/8"

Completion report to follow

18. I hereby certify that the foregoing is true and correct

SIGNED

James T. BrownTITLE Division Production ManagerDATE 10/27/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.	U-11146
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	n/a
7. UNIT AGREEMENT NAME	Chicken Creek
8. FARM OR LEASE NAME	Federal
9. WELL NO.	16-34
10. FIELD AND POOL, OR WILDCAT	Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 16, T15S, R1E
12. COUNTY OR PARISH	
13. STATE	

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
2. NAME OF OPERATOR American Quasar Petroleum Co. of New Mexico
3. ADDRESS OF OPERATOR 204 Superior Bldg., 201 No. Wolcott, Casper, WY 82601
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1056' FSL, 2982' FWL
14. PERMIT NO.
15. ELEVATIONS (Show whether SP, RT, OA, etc.) 6463' GR (surveyed)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) Monthly report of operations ☒

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.*

This is a monthly report of operations for period Oct. 1, 1981 - Oct. 2, 1981
(please see attached chronological report)

NOV 05 1981

18. I hereby certify that the foregoing is true and correct

SIGNED

John L. Sindelar

TITLE

Division Drlg. Supt.

DATE

10/31/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

10/1/81 286 days. P&A. TIH, set EZ drill @ 2009', squeezed 50 sx of Class G into annulus, spot 75 sx Class G @ 1975' inside 9-5/8", LD pipe, spot 20 sx plug in top of 9-5/8, RD BOP, now cleaning pits, prep to release rig.

CHICKEN CREEK FED 16-34
(16,500' Deseret-WC)
Juab Co., Utah
Chicken Creek Prosp.

10/2/81 287 days. RDRT, PBD surface. Clean pits, set 20 sx surf plug, installed dry hole marker, rig released @ 3:00 pm
10/1/81. RDRT. DROPPED FROM REPORT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPL

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <u>P&A</u>				5. LEASE DESIGNATION AND SERIAL NO. <u>U-11146</u>	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESER. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <u>American Quasar Petroleum Co. of New Mexico</u>				7. UNIT AGREEMENT NAME <u>Chicken Creek Unit</u>	
3. ADDRESS OF OPERATOR <u>1700 Broadway 707 United Bank Tower Denver, Colorado 80290</u>				8. FARM OR LEASE NAME <u>Federal</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>1056' FSL, 2982 FWL</u> <u>SESW</u> At top prod. interval reported below At total depth				9. WELL NO. <u>1634</u> <u>16-34</u>	
14. PERMIT NO. <u>43-1023-30009</u> DATE ISSUED <u>7-3-80</u>				10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u>	
15. DATE SPUDDED <u>12/19/81</u>		16. DATE T.D. REACHED <u>9/14/81</u>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <u>Sec. 16, T15S-R1E</u>	
17. DATE COMPL. (Ready to prod.) <u>P&A 9/30/81</u>		18. ELEVATIONS (DF, RES, RT, GR, ETC.)* <u>GR 6465 KB 6485</u>		12. COUNTY OR PARISH <u>Juab</u>	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD <u>13515</u>		13. STATE <u>Utah</u>	
21. PLUG, BACK T.D., MD & TVD <u>--</u>		22. IF MULTIPLE COMPL., HOW MANY*		14. INTERVALS DRILLED BY <u>0-TD</u>	
23. ROTARY TOOLS				15. CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>P&A</u>				16. WAS DIRECTIONAL SURVEY MADE <u>Totco's</u>	
25. TYPE ELECTRIC AND OTHER LOGS RUN <u>DLL-GR, BHC Sonic GR, Dipmeter, Velocity Survey</u>				17. WAS WELL CORED <u>No</u>	
26. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
13 3/8"		68#		1972	
9 5/8"		43 and 40#		8084	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
17 1/2"		1700 sx		0	
12 1/4"		1200 sx		0	
27. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)			
28. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
29. PERFORATION RECORD (Interval, size and number)					
30. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
31. PRODUCTION					
DATE FIRST PRODUCTION <u>P&A</u>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
OIL—BBL.		GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)					
32. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
TEST WITNESSED BY					
33. LIST OF ATTACHMENTS <u>Logs previously forwarded</u>					
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>James T. Brown</u>		TITLE <u>Division Operations Manager</u>		DATE <u>11/16/81</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH TOP TRUE VERT. DEPTH
DST #1 Nugget	11805	12025	Open 60 min, SI 90 min, FP 2162-3799, FSIP 4479, HP 5399, rec 9552' Muddy wtr (2500' WC)	Twin Creek Nugget Ankareh Nugget	Surface 6938 8330 9835 -453 -1845 -3350

FORM OGC-8-X
File in Quadruplicate

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

RECEIVED
NOV 25 1981
DIVISION OF
OIL, GAS & MINING

Well Name and Number Chicken Creek Federal 16-34

Operator American Quasar Petroleum Co.

Address 707 United Bank Tower 1700 Broadway Denver, CO 80290

Contractor Brinkerhoff-Signal

Address Denver, Colorado

Location SW 1/4, SE 1/4; Sec. 16; T. 15 N; R. 1 E; Juab County.
S W

Water Sands:

<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
From -	To -	Flow Rate or Head -	Fresh or Salty -

1. No water sands or flows present
2. _____
3. _____
4. _____
5. _____

(Continue on Reverse Side of Necessary)

Formation Tops:

See completion report

- NOTE:
- (a) Upon diminishing supply of forms, please inform this office.
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
 - (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 2, 1982

American Quasar Petroleum Co.
707 United Bank Tower
1700 Broadway
Denver, Colorado 80290

Re: Well No. Federal 16-34
Sec. 16, T. 15S, R. 1E
Juab County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

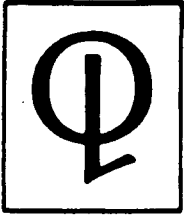
Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

707 UNITED BANK TOWER, 1700 BROADWAY, DENVER, COLORADO 80290, U.S.A.
TELEPHONE (303) 861-8437

April 20, 1982

State of Utah
Department of Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, UT 84114

Attn: Cari Furse

RE: Well Completion
Federal 16-34
Sec 16-15S-1E
Juab County, UT

Dear Ms. Furse

The well completion form in question was filed on Federal form 9-330, dated 11-16-81, with a copy to your office. As you evidently did not receive it, we are enclosing another copy along with your Form OGC-8X.

Very truly yours,

for Division Drilling Manager

KWL/gh

RECEIVED

APR 22 1982

DIVISION OF
OIL & GAS ENGINEERING



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 20, 1982

American Quasar Petroleum Co.
707 United Bank Tower
1700 Broadway
Denver, Colorado 80290

Re: Well No. Federal #16-34
Sec. 16, T. 15S, R. 1E.
Juab County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

** If we do not hear from your office within fourteen days, this file will be turned over to the attorney at the Division of Oil, Gas and Mining for legal action.

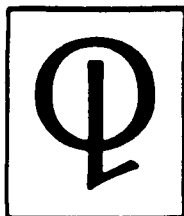
Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

707 UNITED BANK TOWER, 1700 BROADWAY, DENVER, COLORADO 80290, U.S.A.
TELEPHONE (303) 861-8437

May 27, 1982

State of Utah
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

RE: Federal 16-34
Section 16-15S-1E
Juab County, Utah

Dear Ms. Furse:

The well completion report on the above well was forwarded to your office in November 1981. We attach herewith a duplicate copy of Government Form 9-330 and your Form OGC-8-X.

Very truly yours,

K. W. Lamb

/gh

RECEIVED
JUN 01 1982

**DIVISION OF
OIL, GAS & MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See later in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R45546

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <u>P&A</u>		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR <u>American Quasar Petroleum Co. of New Mexico</u>							
3. ADDRESS OF OPERATOR <u>1700 Broadway 707 United Bank Tower Denver, Colorado 80290</u>							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>1056' FSL, 2982 FWL</u> At top prod. interval reported below At total depth							
14. PERMIT NO. <u>43 1023 3000</u>				DATE ISSUED <u>JUN 19 1981</u>			
15. DATE SPUDDED <u>12/19/81</u>		16. DATE T.D. REACHED <u>9/14/81</u>		17. DATE COMPL. (Ready to produce) <u>P&A 9/30/81</u>		18. COUNTY OR PARISH <u>Utah</u>	
20. TOTAL DEPTH, MD & TVD <u>13515</u>		21. PLUG, BACK T.D., MD & TVD <u>--</u>		22. IF MULTIPLE COMPL., HOW MANY* <u>1</u>		23. INTERVALS <u>0-TD</u>	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>P&A</u>						25. WAS DIRECTIONAL SURVEY MADE <u>Totco's</u>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>DLL-GR, BHC Sonic GR, Dipmeter, Velocity Survey</u>						27. WAS WELL CORED <u>No</u>	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
<u>13 3/8"</u>	<u>68#</u>	<u>1972</u>	<u>17 1/2"</u>	<u>1700 sx</u>		<u>0</u>	
<u>9 5/8"</u>	<u>43 and 40#</u>	<u>8084</u>	<u>12 1/4"</u>	<u>1200 sx</u>		<u>0</u>	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)			
				AMOUNT AND KIND OF MATERIAL USED			
33.* PRODUCTION							
DATE FIRST PRODUCTION <u>P&A</u>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS <u>Logs previously forwarded</u>							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>James T. Brown</u>		TITLE <u>Division Operations Manager</u>				DATE <u>11/16/81</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
DST #1 Nugget	11805	12025	Open 60 min, SI 90 min, FP 2162-3799, FSIP 4479, HP 5399, rec 9552' Muddy wtr (2500' WC)	Twin Creek Nugget Ankareh Nugget	Surface 6938 8330 9835	-453 -1845 -3350